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METEOROLOGY DIVISION PROJECT AFFT

AIR FORCE GEOPHYSICS LABORATORY

HAMSCOM AFB, MASSACHUSETTS 01731

AIR FORCE SYSTEMS COMMAND, USAF



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An MC-130E instrumented by series of tests behind a KC-135 sr					
series of tests behind a KC-135 specially modified with a multi-element spray nozzle. The tests, for Air Force Flight Test Center, were to sample and define					

An MC-130E instrumented by AFGL for cloud physics research flew a series of tests behind a KC-135 specially modified with a multi-element spray nozzle. The tests, for Air Force Flight Test Center, were to sample and define the spray plume produced by the nozzle at specified values of water flow rate, distance from nozzle, and temperature. PMS spectrometers were used to sample the artificial cloud. Data were analyzed to produce sample average and instantaneous (1 sec) particle size spectra with liquid water content values. Comparison of values of liquid water content, water flow rate, and distance

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from nozzle to instrument indicate well defined linear relationships.
Instantaneous (1 sec) liquid water content values indicate a variance in the uniformity across the spray. Maximum, minimum, mean, and standard deviation values are provided for each sample to characterize the variance. Although many of the particles had round shapes, it was not possible to tell from the instrumentation whether the particles were ice or water drops.

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## **Preface**

I wish to acknowledge the outstanding airmanship displayed by the 4950th Test Wing crew of Major Robert Mitchel, Captain Willie E. Cole, Captain Patrick A. Collins, SSgt David C. Woodward, and TSgt David L. Terrell. The difficulties created by the close formation flight of aircraft with dissimilar performance capabilities and the fine control necessary for data acquisition were overcome by their superb skill. Special thanks go to TSgt Terrell for his alignment observations from a difficult vantage point. I also wish to thank the AFGL flight crew, Mr. Donald McLeod, MSgt Thomas Moraski, MSgt Stephen Crist, SrA Wayne Domeier and SrA Grant Matsuoka for their outstanding performance insuring optimum test equipment operation.

The advice and assistance of Dr. Arnold A. Barnes, Jr. as well as the support of Barbara Main and secretarial assistance of Pat Sheehy were invaluable in preparing this report.

Special thanks are also extended to James Lally of Digital Programming Services, Inc. for the many interactions in the data processing and for the creation of the mean/standard deviation format presentation.

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Meteorological Conditions in the Test Area, 24 January 1979

Meteorological Conditions in the Test Area, 25 January 1979

Summary of Sample Parameters

Summary of Samples

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# Icing Nozzle Element Optimization Test, January 1979

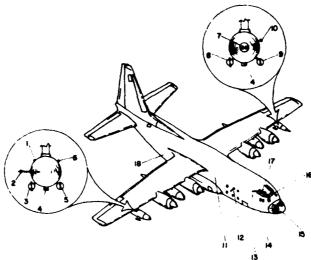
#### 1. INTRODUCTION

In January 1979, a series of three flights was made on 4950th Test Wing MC-130E, S/N 640571, by Air Force Geophysics Laboratory technicians, to obtain particle size and concentration data for the USAF Flight Test Center Icing Simulation Spray Nozzle test program. Each mission consisted of three aircraft: the MC-130E, S/N 640571; KC-135, S/N 553128, Flight Test Center (FTC) aircraft equipped with a spray nozzle; and an A-37, used for photographic documentation of the test.

The MC-130E was flown in formation behind the KC-135 such that cloud physics instrumentation on the outboard right wing pylon (see Figure 1) was positioned within a water spray emitted from a specially designed nozzle on the KC-135 refueling boom.

FTC specified 32 data points. These were defined by parameters of distance from spray nozzle to instrumentation, pressure at the water tank manifold, water flow rate, an FTC determined calibration factor, temperature, and airspeed. Units, where indicated, are those provided by the FTC. Two additional data points (designated XTRA 1 and XTRA 2) were taken as the opportunity arose. Significant parameters of these data points are listed in Table 1.

(Received for publication 20 August 1979)



KEY

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1. DEW POINT HYGROMETER PROBE
2. PMS HO AXIAL SCATTER PROBE(2-30µ)
3. PMS HO PRECIP. PROBE(300-4500µ)
4. HYDROMETEOR FOIL SAMPLER
5. PMS HO LOUD PROBE (20-300µ)
6. TOTAL AIR TEMPERATURE PROBE
7. EWER PROBE
8. PMS 2-D PRECIP. PROBE(200-6400µ)
9. PMS 2-D CLOUD PROBE(200-6400µ)

ID. JW CLOUD WATER PROBE
II. PDP-8/E COMPUTER & LINE PRINTER
12 FORMVAR HYDROMETEOR REPLICATOR
IS. VISUAL HYDROMETEOR PROBE
14 I.N.S. & DOPPLER RADAR
IS. AN/APQ-122 Kg. & 550M WEATHER RADAR
IS. ISMM NOSE CAMERA
17 PROBE LIGHT
IB. TELEMETRY

Figure 1. Cloud Physics Instrumentation Aboard MC-130E S/N 640571

Table 1. Summary of Sample Parameters

Sample	Distance (ft)	Pressure (psi)	H <sub>2</sub> O Flow Rate (gpm)	Calibration Factor	Outside Air Temperature (C)
1	100	10	18	8	-10
2	100	10	20	9	-10
3	100	10	21	10	-10
4	100	10	23	10	-10
5	200	10	18	8	-10
6	200	10	23	10	-10
7	200	10	32	14	-10
8	200	10	36	16	-10
9	300	10	15	8	-10
10	300	10	19	10	-10

Table 1. Summary of Sample Parameters (Cont)

Sample	Distance (ft)	Pressure (psi)	H <sub>2</sub> O Flow Rate (gpm)	Calibration Factor	Outside Air Temperature (C)
11	300	10	26	14	-10
12	300	10	34	18	-10
13	400	10	15	8	-10
14	400	10	19	10	-10
15	400	10	26	14	-10
16	400	10	34	16	-10
17	100	10	15	6	-20
18	100	10	20	8	-20
19	100	10	23	9	-20
20	100	10	25	10	-20
21	200	10	15	6	-20
22	200	10	25	10	-20
23	200	10	35	14	-20
24	200	10	40	16	-20
25	300	10	15	6	-20
26	300	10	25	10	-20
27	300	10	35	14	-20
28	300	10	46	18	-20
29	400	10	15	6	-20
30	400	10	25	10	-20
31	400	10	35	14	-20
32	400	10	46	18	-20
XTRA 1	100	10	54	23.5	-10
XTRA 2	200	10	53	23.5	-10

psi = pounds/square inch

gpm = gallons/minute

ft = feet separation from nozzle to instruments

C = degrees Celsius

During the test, procedures were established to monitor the instrumentation within the spray plume visually and instrumentally to insure valid data for each data point. Each sampling mission began with a 1-min background sample in clear air at the test altitude within the test area to provide a reference to existing conditions. Each of these samples is labeled BKGND. Complete sample times are listed in Table 2. All times are GMT.

Table 2. Summary of Samples

C:				
Filter Number	Sample Number	Date (GMT)	Start Time (GMT) H M S	Stop Time (GMT) H M S
E79-3	BKGND	20 January 1979	23:57:00	23:58:00
E79-4	BKGND	24 January 1979	20:52:00	20:53:00
E79-5	BKGND	25 January 1979	21:14:00	21:15:00
E79-3	1A	21 January 1979	00:07:24	ØØ:Ø7:37
E79-3	1B	21 January 1979	ØØ: Ø7:4Ø	ØØ:Ø7:55
E79-3	2	21 January 1979	ØØ: 14:55	ØØ: 15: 18
E79-3	3	21 January 1979	ØØ: 18:45	ØØ: 19: ØØ
E79-3	4	21 January 1979	ØØ: 2Ø: 12	ØØ:2Ø:32
E79-3	5	21 January 1979	ØØ:25:Ø6	ØØ: 25: 2Ø
E79-3	6	21 January 1979	ØØ:26:42	ØØ:26:56
E79-3	7	21 January 1979	ØØ:28:59	ØØ:29:14
E79-3	8A	21 January 1979	ØØ:3Ø:Ø3	ØØ:3Ø:Ø9
E79-3	8B	21 January 1979	ØØ:3Ø:2Ø	ØØ:3Ø:46
E79-3	9	21 January 1979	00:35:24	ØØ:35:43
E79-3	1 <b>0</b> A	21 January 1979	ØØ:36:15	ØØ:36:26
E79-3	1 <b>0</b> B	21 January 1979	ØØ:36:31	ØØ:36:5Ø
E79-3	11	21 January 1979	ØØ:38:41	ØØ:38:47
E79-3	12	21 January 1979	<b>ØØ:4Ø:Ø</b> 9	ØØ:4Ø:29
E79-3	13	21 January 1979	ØØ:48:2Ø	ØØ:48:27
E79-3	14	21 January 1979	ØØ:5Ø:12	ØØ:5Ø:21
E79-3	15A	21 January 1979	ØØ:57:44	ØØ:57:5Ø
E79-3	15B	21 January 1979	<b>ØØ:57:57</b>	ØØ:58:Ø9
E79-3	15C	21 January 1979	ØØ:58:14	ØØ:58:24
E79-3	16	21 January 1979	ØØ:58:41	ØØ:59:32
E79-5	17A	<b>25</b> January 1979	21:17:28	21:17:33
E79-5	17B	25 January 1979	21:17:41	21:17:45
E79-4	18A	24 January 1979	2 <b>0</b> :55: <b>0</b> 9	20:55:36
E79-4	18B	24 January 1979	20:56:23	<b>20:</b> 56:38
E79-5	18C	25 January 1979	21:19:30	21:20:00
E79-4	19A	24 January 1979	21:18:12	21:18:19
E79-4	19B	24 January 1979	21:18:25	21:18:50
E79-5	19C	25 January 1979	21:20:22	21:20:37
E79-4	2 <b>ø</b>	24 January 1979	21:19:26	21:19: 35
E79-4	21	24 January 1979	21:21:38	21:21:35
E79-4	22A	24 January 1979	21:23:14	21:23:21

Table 2. Summary of Samples (Cont)

Filter Number	Sample Number	Date (GMT)	Start Time (GMT) H M S	Stop Time (GMT) H M S
E79-4	22B	24 January 1979	21:23:25	21:23:41
E79-4	23A	<b>24</b> January 1979	21:24:07	21:24:17
E79-4	23B	<b>24</b> January 1979	21:24:30	21:24;58
E79-4	24	<b>24</b> January 1979	21:25:02	21:25:25
E79-4	25	24 January 1979	21:26:36	21:26:51
E79-4	26	<b>24</b> January 1979	21:28:28	21:28:40
E79-4	27	24 January 1979	21:29:38	21:29:54
E79-4	28A	<b>24</b> January 1979	21:34:18	21:34:32
E79-4	28B	24 January 1979	21:44:06	21:44:30
E79-4	29	24 January 1979	21:36:11	21:36:26
E79-4	3 <b>Ø</b> A	24 January 1979	21:37:34	21:37:42
E79-4	3 <b>ø</b> B	<b>24</b> January 1979	22:10:09	22:10:26
E79-4	31A	24 January 1979	21:39:14	21:39:24
E79-4	31B	<b>24</b> January 1979	22:15:47	22:15:59
E79-4	32A	<b>24</b> January 1979	21:39:33	21:39:49
E79-4	32B	24 January 1979	22:17:37	22:17:55
E79-3	XTRA 1	21 January 1979	Ø1: <b>Ø2</b> :57	<b>Ø1:Ø3:Ø</b> 9
E79-3	XTRA 2	21 January 1979	Ø1:Ø5:15	Ø1:Ø5:53

Distance estimates for the 100- and 200-ft points were provided by the KC-135 boom operator, while estimates at 300 and 400 ft were provided by the MC-130E pilots using a sighting gauge provided by FTC. Estimates of distance for each data point are nominally those specified in the test parameters listed in Table 1. The variance was generally reported within  $\pm$  20 ft and will not be specifically chronicled here.

The tests were conducted in area 1 and 1B of the Edwards AFB test complex.

## 2. INSTRUMENTATION

The instrumentation aboard the MC-130E applicable to this test included the Particle Measuring Systems (PMS) laser spectrometers, the altimetry and airspeed systems, a Rosemount total temperature probe, a dew-point hygrometer, a seven-track voice tape recorder, a PDP-8E computer and peripherals, and magnetic tape recorders for all data. All of these except the PMS probes, the primary

instrumentation for this test, are fairly standard and self explanatory and will not be discussed in detail here. However, the following discussion of the laser spectrometers will aid in understanding the particle distribution data presented.

The MC-130E is equipped as shown in Figure 1 with five optical laser spectrometers manufactured by Particle Measuring Systems. Inc. for measuring the size and number of atmospheric hydrometeors. These include the one dimensional (1-D) probes which count and size the particles and the two dimensional (2-D) probes which make two dimensional "shadowgraph" recordings of particle shapes.

The three 1-D probes cover three separate size ranges; the axial scattering probe from 2 to 30  $\mu$ m, the "cloud" probe from 20 to 300  $\mu$ m, and the "precipitation" probe from 300 to 4,500 microns. The particles passing through the scattering probe are sized and counted by determining the amount of light that is forward scattered as the particle moves through the laser beam. With the two other probes, particles passing through a collimated laser beam occlude a portion of that beam which is focused on a photo diode array. The number of diodes occluded is proportional to particle size. An electronic circuit counts and sorts the particles which are recorded with the other data at 1-sec intervals.

There are two 2-D probes which image particles from 25 to 800  $\mu$ m (2-D cloud probe) and from 200 to 6, 400  $\mu$ m (2-D precipitation probe). They are an extension of the one-dimensional technology and have a second time-derived dimension based on the true airspeed and the duration of occlusion of the photo diodes. The data are recorded on magnetic tape which produces a high quality two-dimensional shadow-graph image when processed. Software has also been produced at AFGL to process the digital 2-D data for size and number distributions similar to those available from the 1-D data.

The operation of these probes under the conditions of this test, that is, a plume of small spherical water droplets, should produce highly accurate size, number concentration, and liquid water content information. More detailed discussion of these instruments has been given by Knollenberg<sup>1, 2</sup> and Heymsfield. <sup>3</sup>

The only limitation upon the performance of any instrumentation was the effect of the relatively high airspeed on the 2-D pictographic data. Airspeed in excess of the timing limits of the 2-D data system produces distortion of the particle shadow-graphs. These will be further discussed in the data section.

- 1. Knollenberg, R.G. (1970) The optical array: An alternative to scattering or extinction for airborne particle size determination, J. of Appl. Meteorol. 9:86-103.
- Knollenberg, R.G. (1976) Three new instruments for cloud physics measurements:
   The 2-D spectrometer, the forward scattering probe, and the active scattering spectrometer. In Preprints of International Cloud Physics Conference, American Meteorological Society, pp 554-561.
- Heymsfield, A. J. (1976) Particle size distribution measurement: An evaluation of the Knollenberg optical array probes. <u>Atmospheric Technology</u>. (by NCAR) No. 8:17-24.

## 3. RANGE WEATHER CONDITIONS

Clear air was required at test altitudes for these missions. The observations from the Edwards AFB weather station, which is on the southern border of the test area, are listed in Tables 3, 4, and 5 for each of the test days. In all cases the test altitudes were free of cloud. High overcasts on 20 and 24 January created some difficulty in distinguishing the spray against the cirrus background. This problem was especially noticeable on the 20 January mission which was completed just before sundown. Visibility was otherwise excellent on all three missions.

Table 3. Meteorological Conditions in the Test Area, 20 January 1979, Edwards AFB, California

Time (GMT)	Sky Condition	Visibility (miles)
1355	250~⊕	15
1455	250-⊕	25
1555	250-⊕	35
1655	250~⊕	35
1755	250~⊕	35
1855	250~⊕	45
1955	250~⊕	45
2055	250-⊕	45
2155	250~ <del>•</del>	45
2255	E250-⊕	45
2357	E250- <b>⊕</b>	45
0055	E250- <b>⊕</b>	45
0155	E250- <b>⊕</b>	45
0255	E250-⊕	45
0355	E250- <b>⊕</b>	45
0455	Е250-Ф	45

Table 4. Meteorological Conditions in the Test Area, 24 January 1979, Edwards AFB, California

Time (GMT)		Sky Condit	ion	Visibility (miles)
1355	· · · · · · · · · · · · · · · · · · ·	E120 O	250 ⊕	25
1455		E120 O	250 Φ	45
1555		90 O	250 Ф	45
1655		90 Ф	E120 \varTheta	45
1755	90 O	E120 O	250 ⊕	45
1855		120 Ф	250-⊕	45
1955	50 O	120 O	250-⊕	45
2055	50 Ф	120 Ф	250-⊕	45
2155	50 Φ	120 O	250-⊕	45
2255	50 Φ	120 O	250-⊕	45
2355	50 Φ	120 O	250-⊕	45
0055	50 Ф	120 O	250-⊕	45
0155		50 Ф	250-⊕	45
0255		50 O	250-⊕	45
0355			250-⊕	45
0455			250 <b>-</b> 0	45

Table 5. Meteorological Conditions in the Test Area, 25 January 1979, Edwards AFB, California

Time (GMT)		Sky Condit	ion	Visibility (miles)
1355		100 Ф	250- <b>©</b>	15
1455	50 O	E100 @	250 O	15
1555		50 O	100 Φ	20
1655		50 O	100 O	25
1755		50 O	100 Ф	25
1855		50 O	100 O	35
1955		50 O	100 O	35
2055			50 O	35
2158			50 O	35
2258			50 O	35

Upper air soundings are presented in Figures 2, 3, and 4 from the two closest stations; Edwards AFB, on the southern border of the test area, and Vandenberg AFB, located 110 nautical miles WSW of Edwards AFB. The sounding on 21 January indicates a dry atmosphere with relatively light winds. The sounding at 24/1200Z indicates a very moist atmosphere 10 hr prior to the mission on that date. By 25/1000Z a strong drying and warming trend had occurred. This drying and warming trend is also evident on the 25/0000Z and 26/0000Z soundings from Vandenberg AFB. Wind speed increased with time in the lower layers through 9 kilometers. Wind barbs are spaced across the figure to increase legibility where necessary.

It should be noted that while no cloud was observed at, or in close proximity to, the test levels, some particle concentrations were observed in the "clear air" background samples on the 24th and 25th. This phenomenon is real and has been observed on a variety of other missions supported by this organization. Particles are in sufficiently small concentrations that they are not visible to the naked eye as a cloud or even haze layer. Concentrations measured in these background samples are small and have negligible effect on the test data.

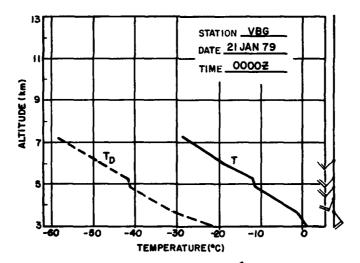
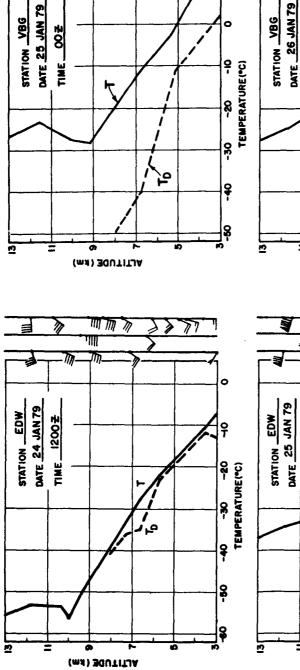


Figure 2. Upper Air Sounding for Spray Test Date, 20 January 1979, Vandenberg AFB

<sup>4.</sup> Varley, D. J. (1979) A Marine Boundary Layer Sampling Flight in Clear Air, AFGL-TR-79-0013, AD A069723.



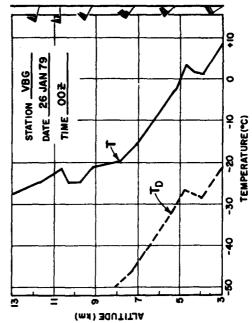


Figure 3. Upper Air Sounding for Spray Test Date, 24 January 1979, Edwards AFB

TEMPERATURE(°C)

8

8

Figure 4. Upper Air Sounding for Spray Test Date, 25 January 1979, Vandenberg AFB

TIME 1000Z

(mil) BOUTITJA

#### 4. DATA

Computer processed data from the 1-D PMS probes are presented in Appendices A, B, and C. Appendix A is a graphic presentation of number density and liquid water content vs particle size, with a tabular presentation of the sample average data presented on the graph. Figures A1 and A2 provide a key to the information. Appendix B presents the 1-sec values for each sample graphically, as well as an arithmetic mean and standard deviation for each sample. Appendix C presents the 1-sec data for all background and sample periods. The format is the same as depicted in Figure A2.

The data are "normalized" and "smoothed". Normalization is accomplished to remove biases introduced because of large differences in sampling volumes and size class widths between the sampling probes. The computation of a particle concentration for each probe size interval is divided by the width (bar width) of that particular size interval. The normalization permits determination of particle concentrations for all particle sizes per unit distance travelled.

The smoothing process consists of considering the overlap in size range between the largest sizes of the 1-D cloud probe and the smallest channel of the 1-D precipitation probe. An algorithm is used to derive new center diameters for channel 1 of the precipitation probe, and new number densities for the upper three channels of the cloud probe. The result is a single particle number vs size distribution with no overlap. The smoothing function is applied to the total sample accumulated data in Appendix A; in Appendix B it is applied to each 1 sec of data within the sample to obtain reasonable 1-sec values. The mean value found in Appendix B will generally be different from the sample average liquid water content in Appendix A due to this difference in application of the "smoothing" technique.

Data were taken with the boom of the NKC-135 at full down deflection. Data times indicated in Table 1 are those during which all directional and data advisories indicate that the three 1-D probes were totally in the spray. Variance of the second to second values of liquid water content is a result of excursions of the PMS instruments within the spray plume, and should give an indication of the variability of conditions within the spray. The distance between the two most widely separated probes, the PMS 1-D axial scatter probe (2-30  $\mu$ m) and PMS 1-D cloud probe (20-300  $\mu$ m), is approximately 4 feet.

A sample with the 2-D instrumentation was taken to determine if the spray remains in liquid form within the test envelope. These data were taken at a distance of 400 ft at an outside air temperature of -20C. The 2-D system has additional electronic timing capability which allows measurement and recording of duration of diode occlusion by particles. This horizontal time information creates a two dimensional "picture" of each particle sampled, which is displayed in the form of a

shadowgraph. A presentation of selected particle shadows appears in Figure 5. Aircraft airspeed was higher than the stated limits of the 2-D system. Some distortion of data occurred. It was not possible to determine whether this distortion was due to air speed or the freezing of some of the small particles. Many of the particles appeared as round drops.

Samples 18 and 19 are cases in which the same data points were flown on different days. In Appendix B, samples 18A, B, and C show excellent agreement in all respects. Samples 19B and 19C also are quite comparable. Sample 19A, however, is of significantly shorter duration (8 sec vice 16 sec for 19B and C, respectively) and does not exhibit the maximum values attained in the 19B and C samples. All samples are clearly within the spray from data in both Appendices A and C. The longer the sample duration, the more likely it is that the maximum and minimum values will be well defined for any of the data points, as is shown in samples 19A, B, and C. The planned minimum sample duration of 15 sec appears to be adequate for this experiment. This should yield sufficient data to describe the maximum and minimum values across the spray plume.

Presentations of consolidated pass average data are given in Figures 8, 9, and 10. Figures 8 and 9 depict the curves described by increasing water flow at the four sample distances (100, 200, 300, and 400 ft). The first depicts the sample taken at the lower altitude (outside air temperature -10C) while the latter encompasses the 16 samples at the higher altitudes (OAT -20C). It is apparent that a well defined family of curves is described by the data. There are some anomalies, but these may be ascribed to a poor sample given the difficult nature of the flying involved.

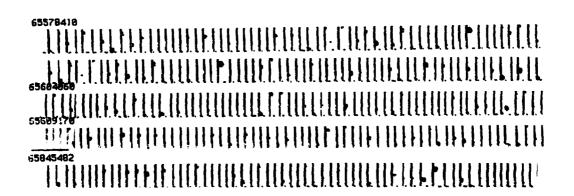


Figure 5. Representative "2-D" Shadowgraph Data Taken in Icing Nozzle Spray

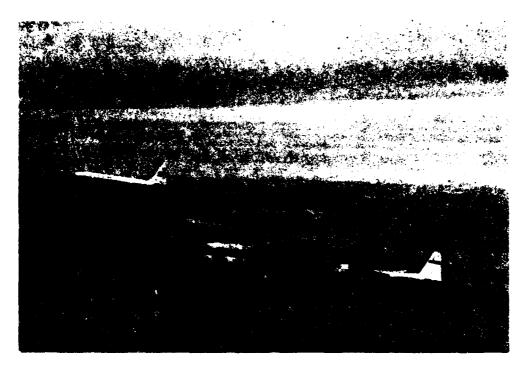


Figure 6. Photograph of Aircraft Orientation As They Position to Sample. MC-130E moves just below spray  $\,$ 

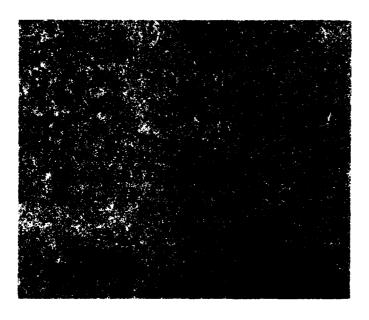


Figure 7. Spectrometer Probe on C-130 Right Wing Acquiring Plume Particle Data. The spraying boom is at full down and right deflection, while the C-130 is in a nose up, right wing low, crabbed orientation to compensate for turbulence from the KC-135

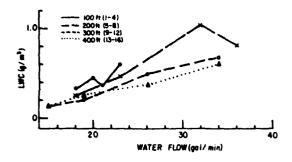


Figure 8. Liquid Water Content (g/m<sup>3</sup>) vs Nozzle Water Flow Rate (gpm), Data Points 1-16

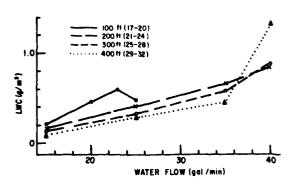


Figure 9. Liquid Water Content (g/m<sup>3</sup>) vs Nozzle Water Flow Rate (gpm), Data Points 17-32

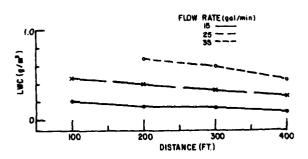


Figure 10. Liquid Water Content (g/m<sup>3</sup>) vs Distance From Nozzle in Feet

Figure 10 depicts the curves described by varying distance with constant flow rates. Again, a well defined family of curves with quite similar slopes emerges. The spread of the spray plume within the distance limits of the experiment is apparently uniform. Single values for samples with multiple sections (for example, 1-A and 1-B, and so on) were obtained by calculating a sample duration weighted average of values for those data points.

## 5. CONCLUSIONS

Test data for samples, where more than one attempt at a data point was made, show good agreement in average liquid water content. One-sec data show a range of water content values within each pass. The deviation of these "instantaneous" liquid water content values does remain small when compared to the longer period sample averages.

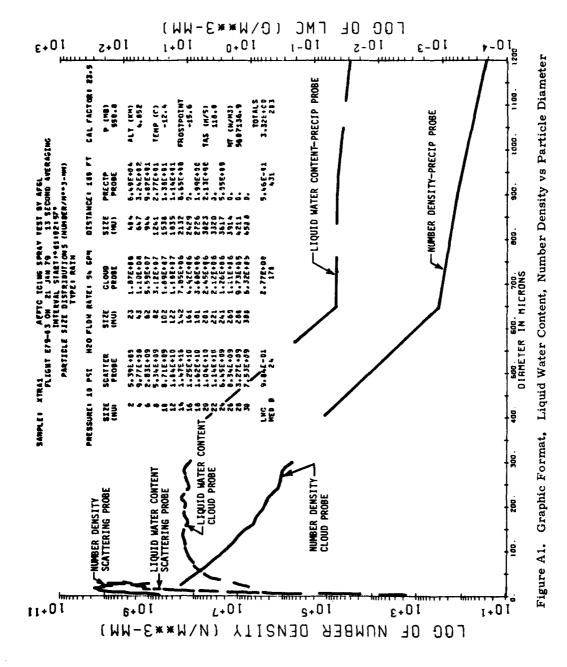
No definitive determination could be made concerning the freezing of the spray droplets at the colder sampling temperature. It is known, however, that many droplets viewed in the PMS 2-D sample data retained a round form that is characteristic of water drops.

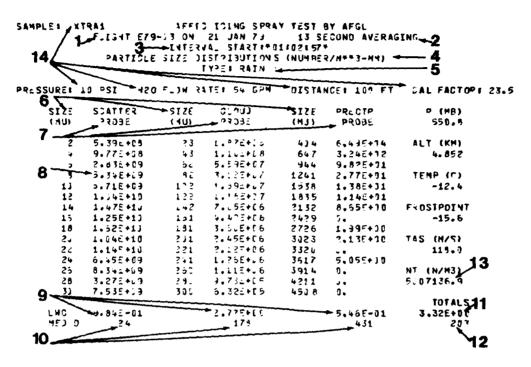
Sample average data indicate definable linear relationships between the variables of the icing nozzle water flow rate, distance from the nozzle, and the measured liquid water content of the spray plume.

# Appendix A

Sample Average Data

PMS 1-D data are presented as sample averages for background and all sample periods. Presentation is graphic with tabular data included on the same page. Format is indicated in Figures A1 and A2.





Flight number and data of flight.

2. Length of sample over which particle concentrations are determined.

Time sampling began; completed 13 sec later.

- Concentrations are in number of particles per cubic meter per millimeter bar width. See text for discussion of bar width.
- Particle type is determined after other data are examined. In this case rain. Possibilities include rain, plates, small snow, columns, needles, aggregates, rimed dendrites, and bullet rosettes.

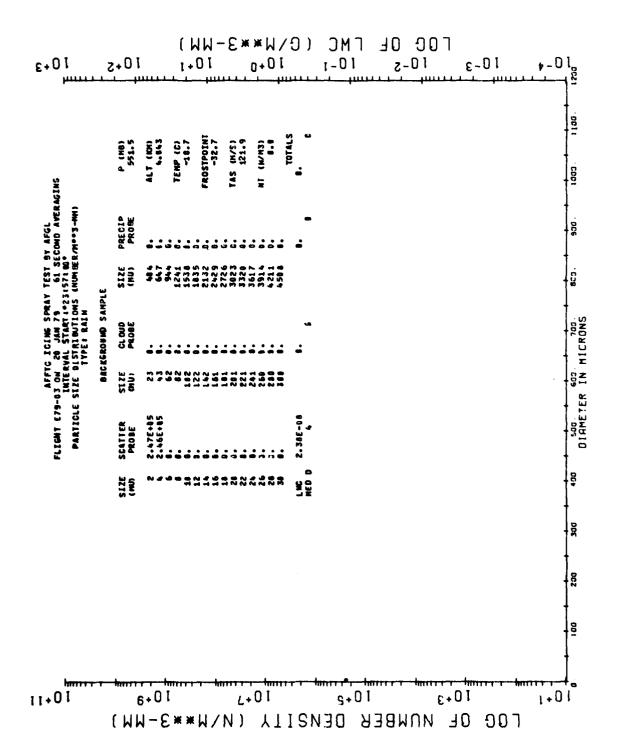
- Mean maximum size of particles in micrometers. "Scattering", "Cloud", and "Precipitation" probes are used in determining concentrations of particles in the size ranges 2-30 microns, 20-300 microns, and 300-4500 microns, respectively.
- Typical concentration:  $5.34 \times 10^9$  particles per cubic meter, per millimeter bandwidth. Bar width is 2 microns. See text for definition of bar width,
- Total liquid water content in grams per cubic meter for each of the three probes. Scatter probe particles are assumed spherical with density = 1.
- 10. Equivalent melted diameter (in  $\mu$ m) of a particle having a mass at the median value of each probe's Liquid Water Content (LWC).

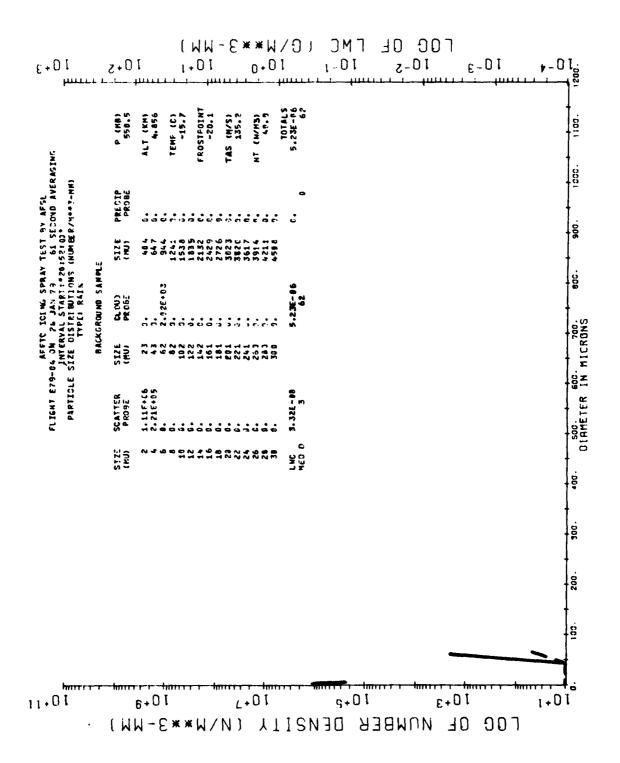
Sum of cloud and precipitation probe's LWC, grams per cubic meter.

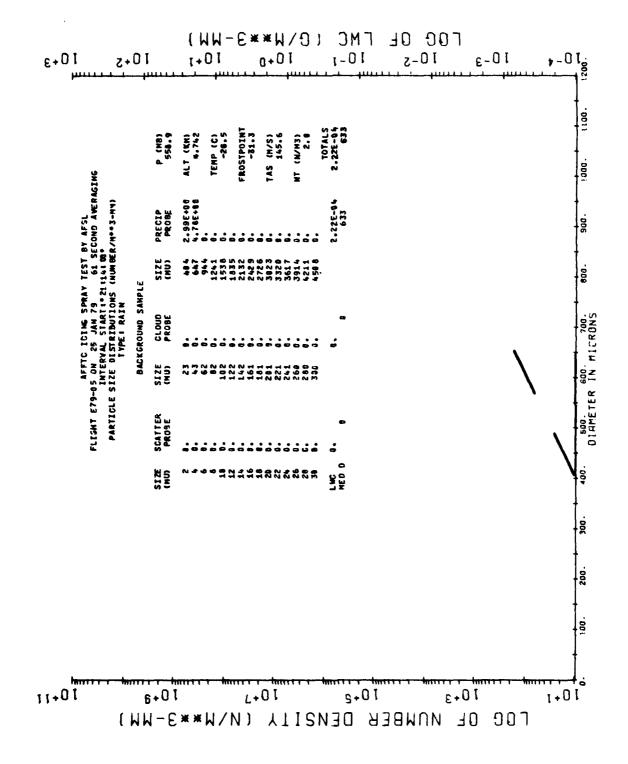
- Equivalent melted diameter (in  $\mu$ m) of a particle having a mass at the median of the combined cloud and precipitation probe's total LWC value.
- Total number of particles calculated per cubic meter for cloud and precipitation probe.
- Sample number and specified FTC parameters.

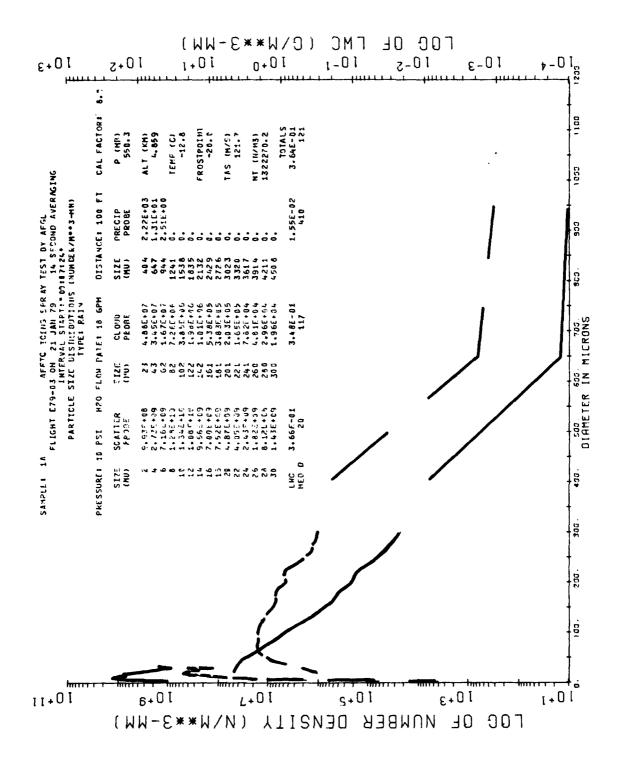
Figure A2. Tabular Data Format

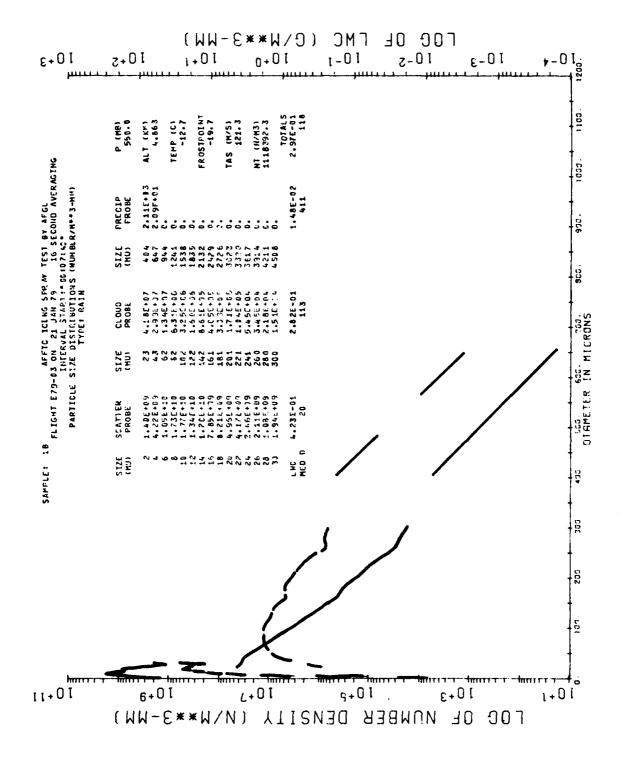
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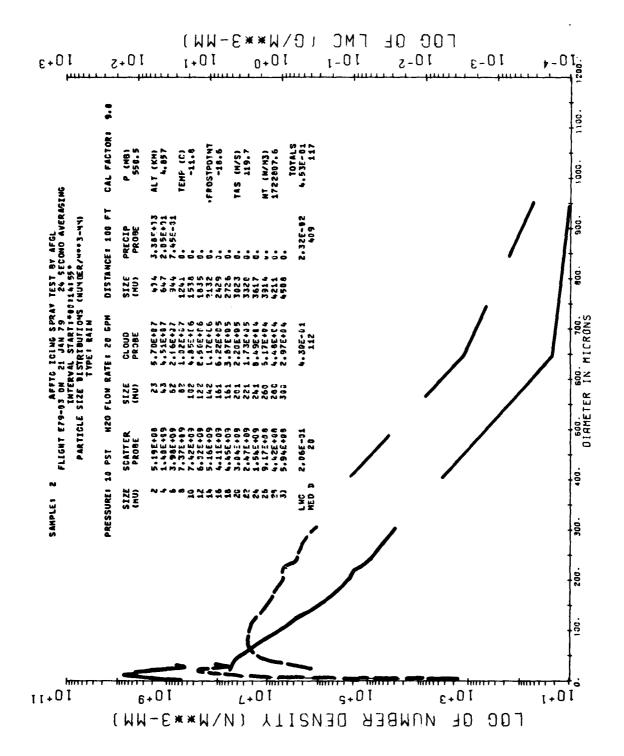


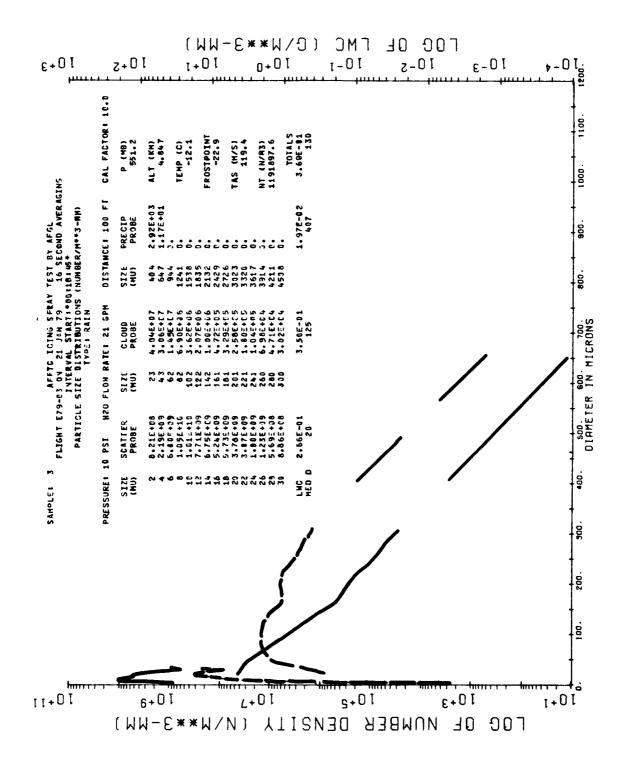


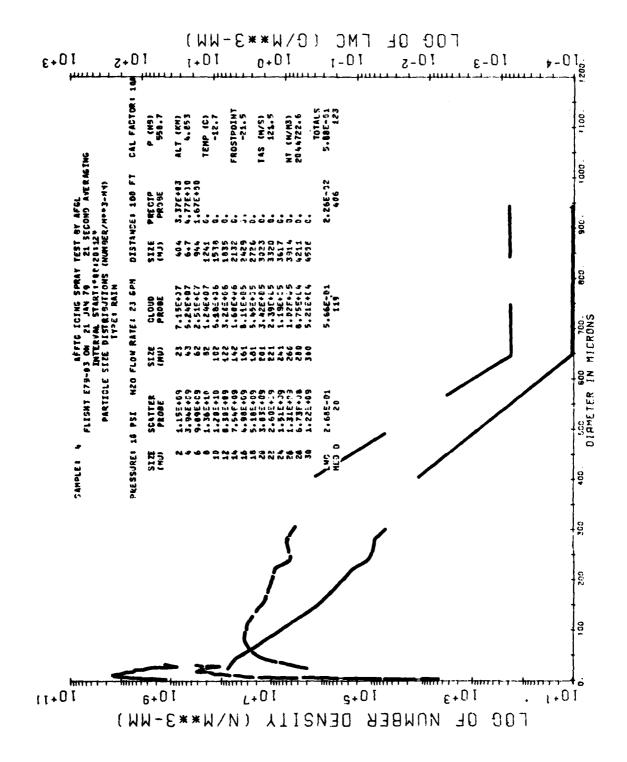


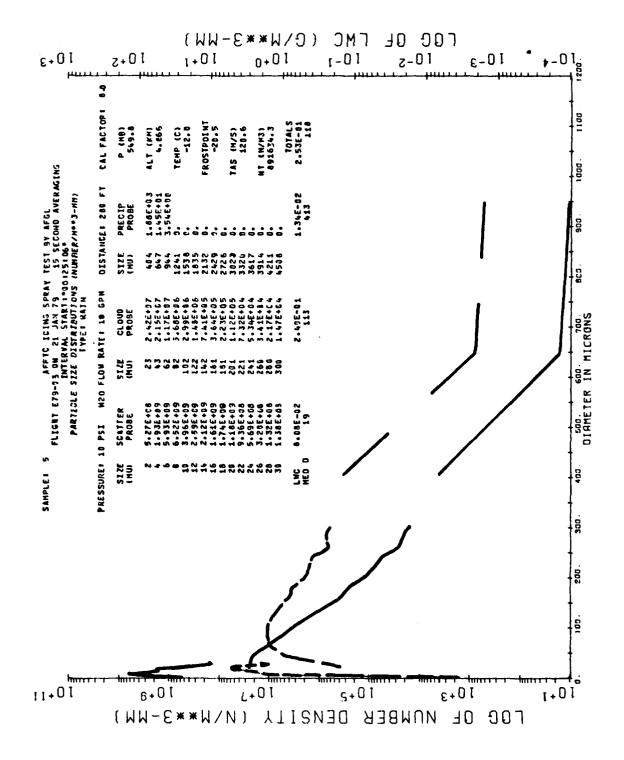


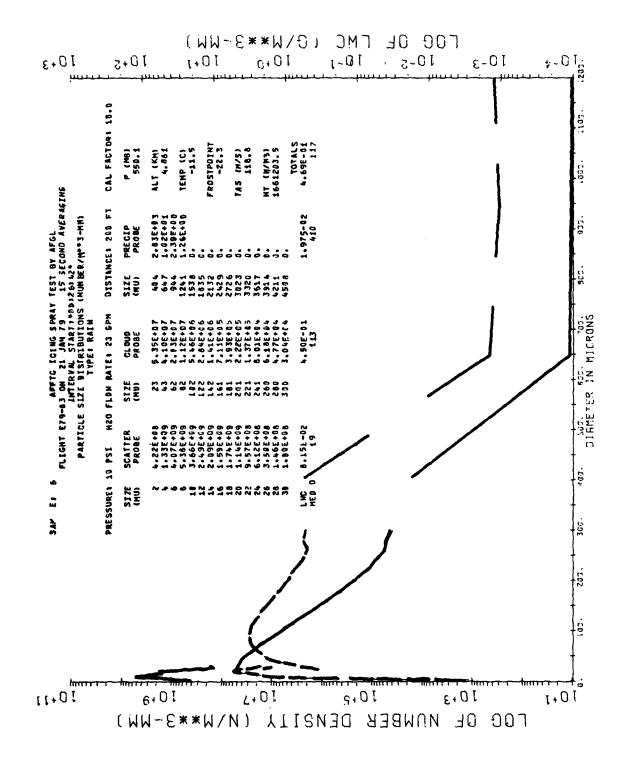


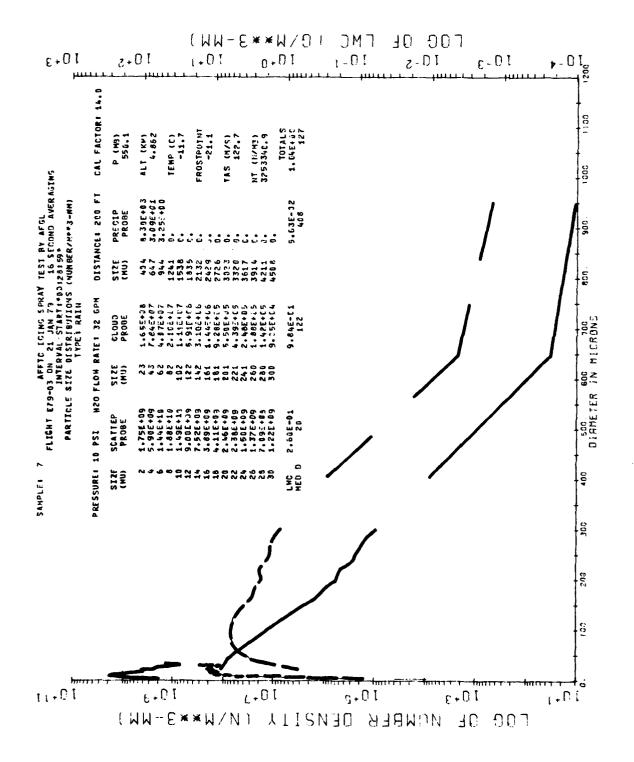


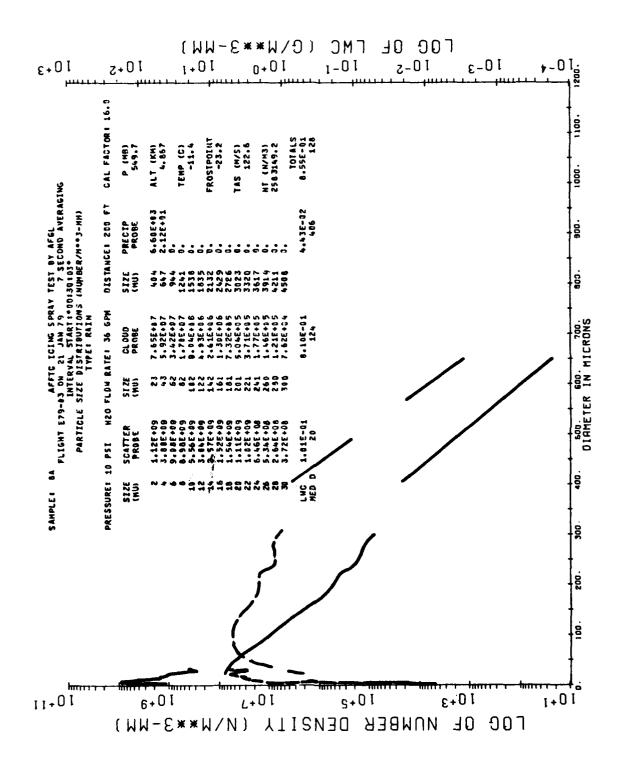


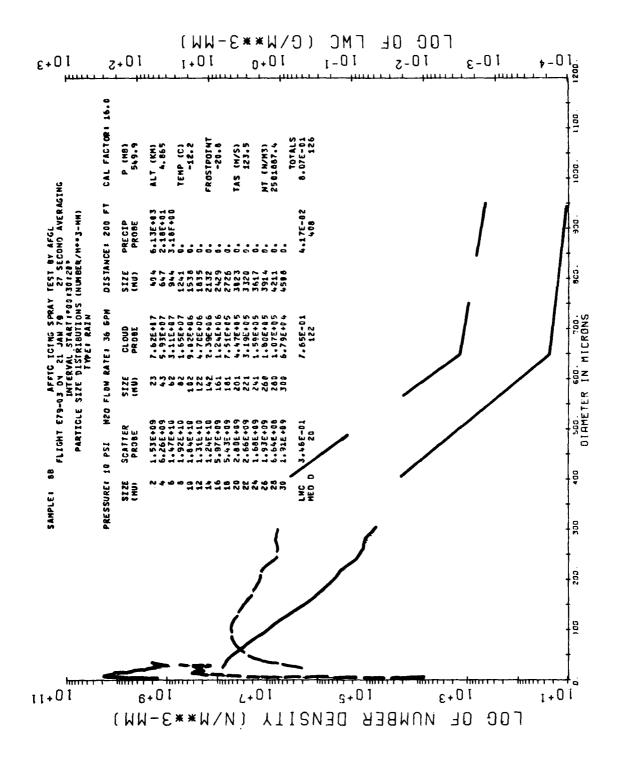


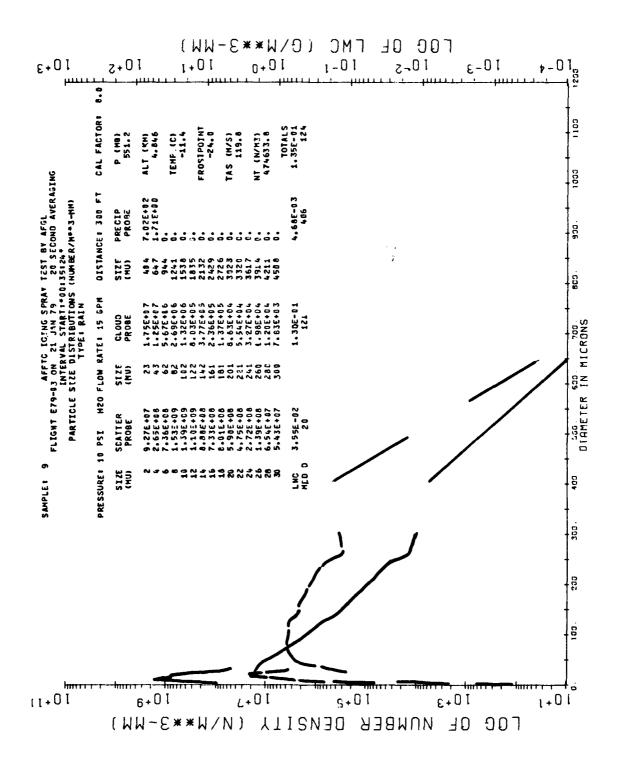


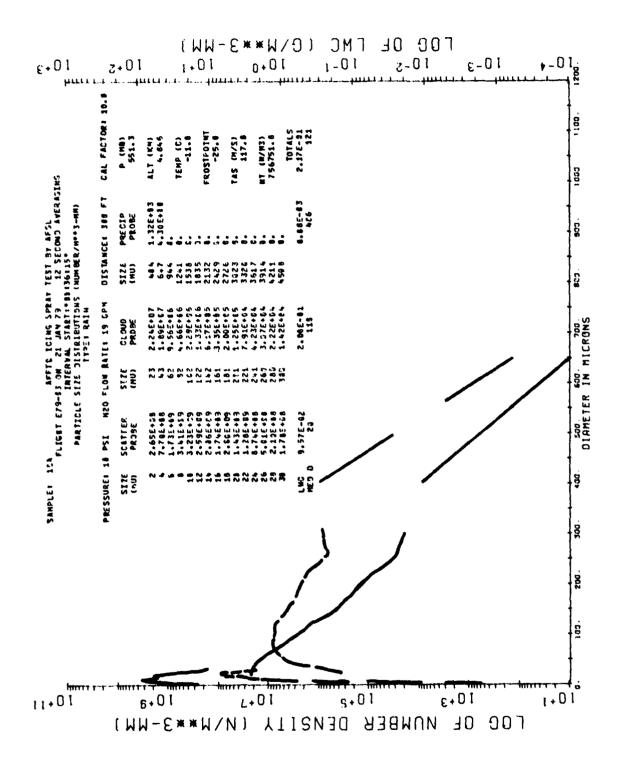


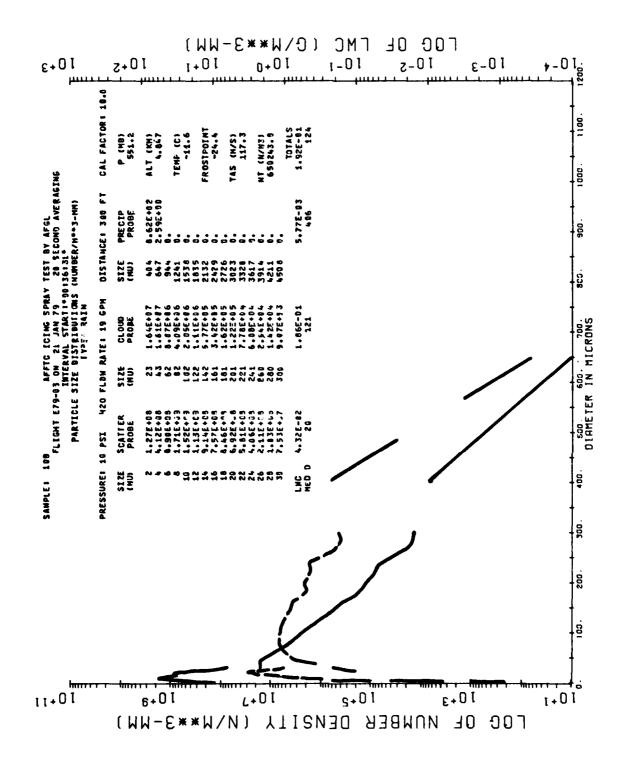


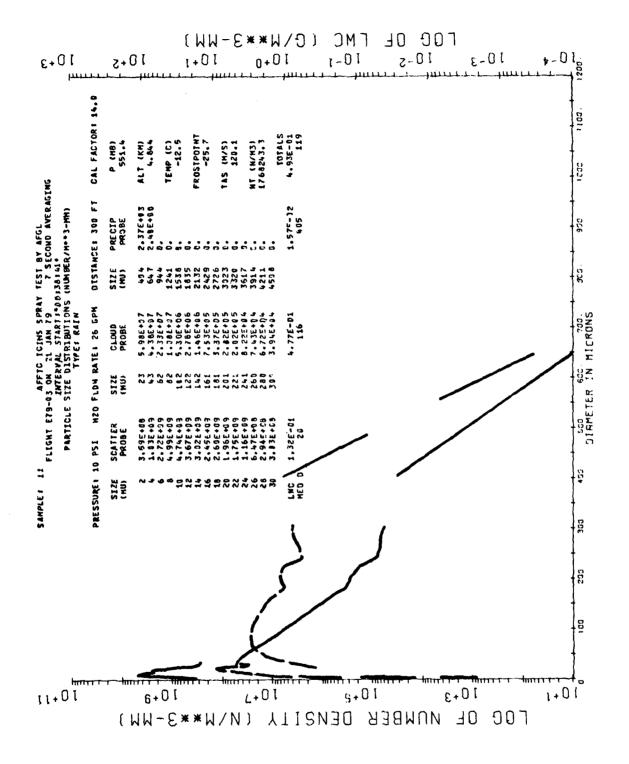


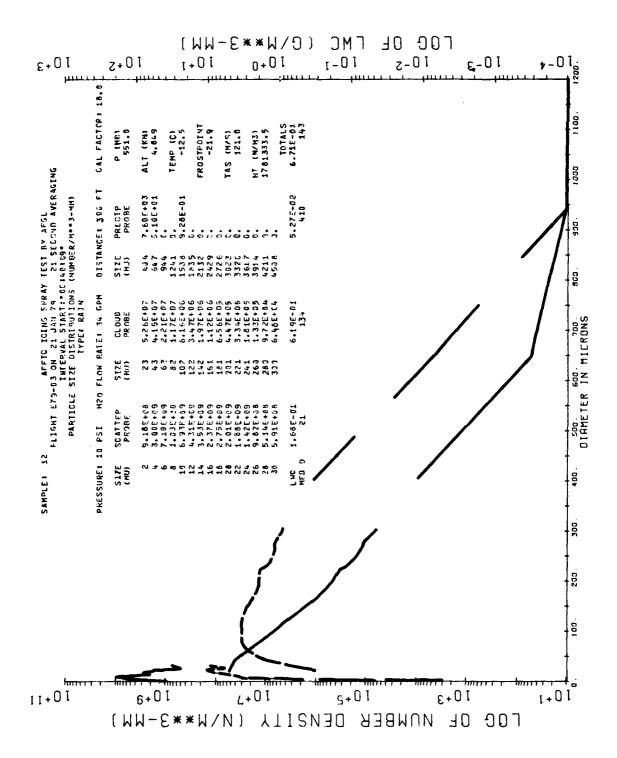


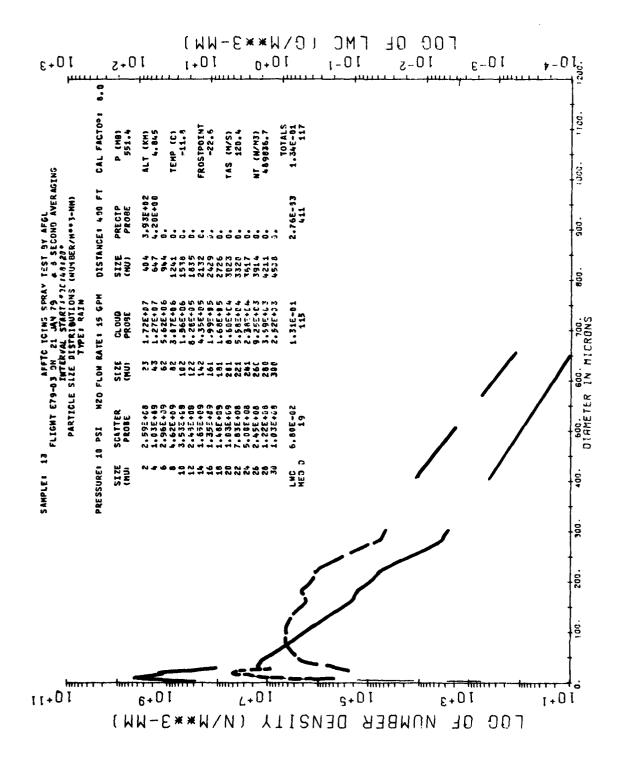


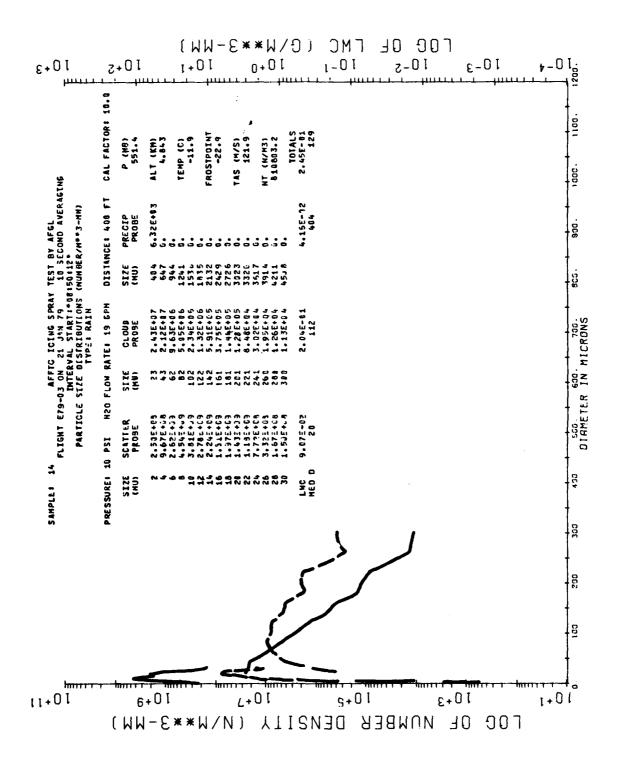


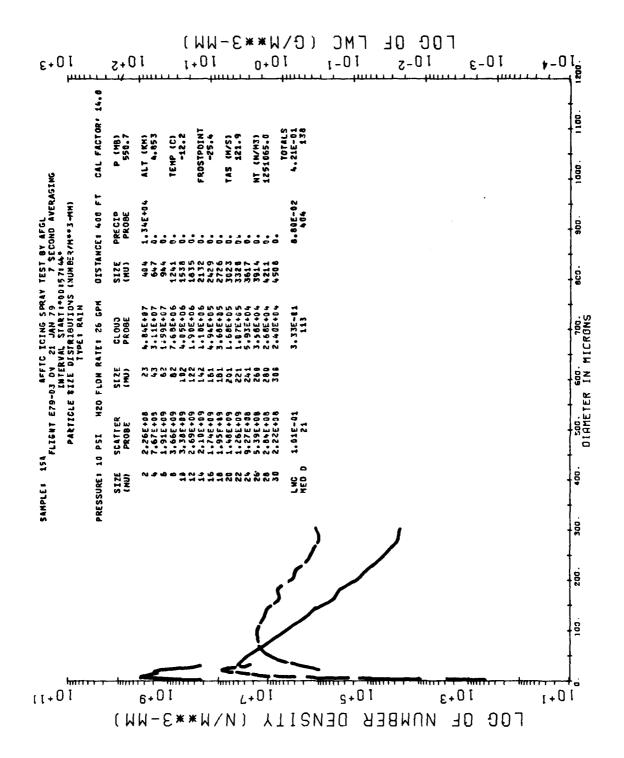


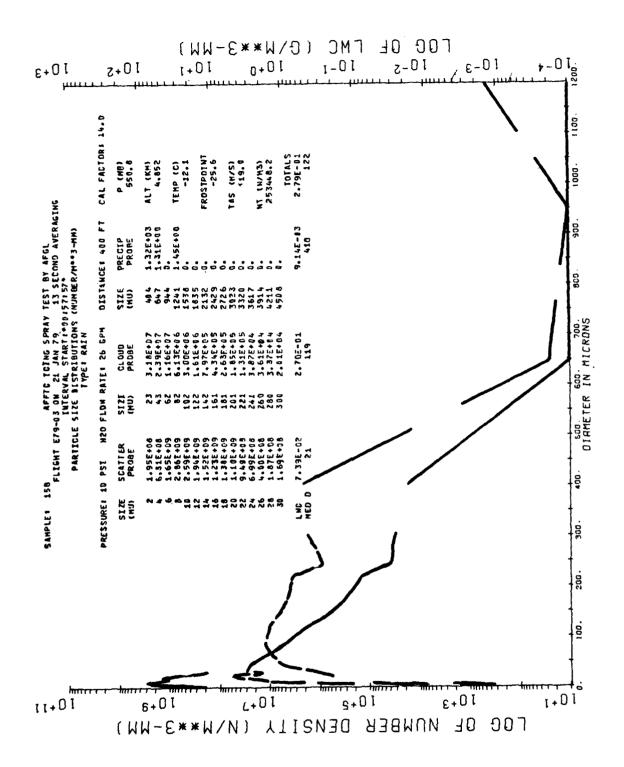


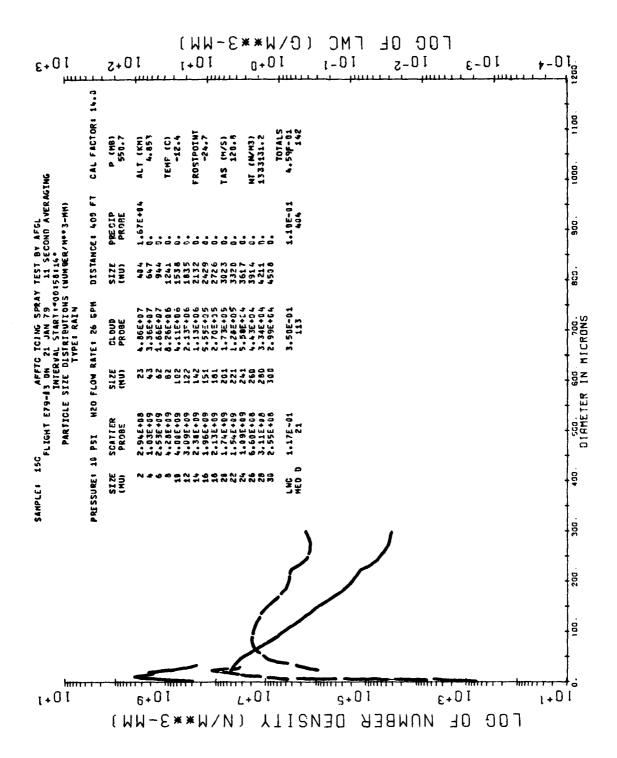


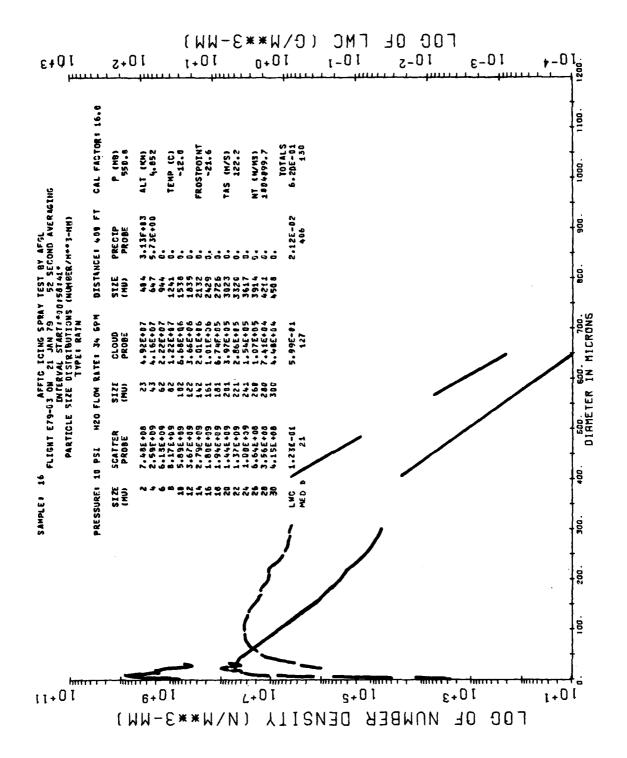


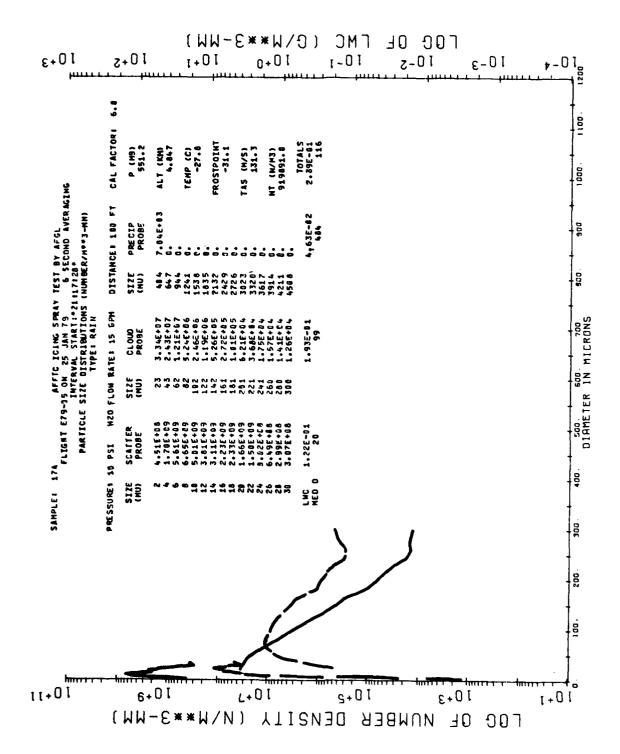


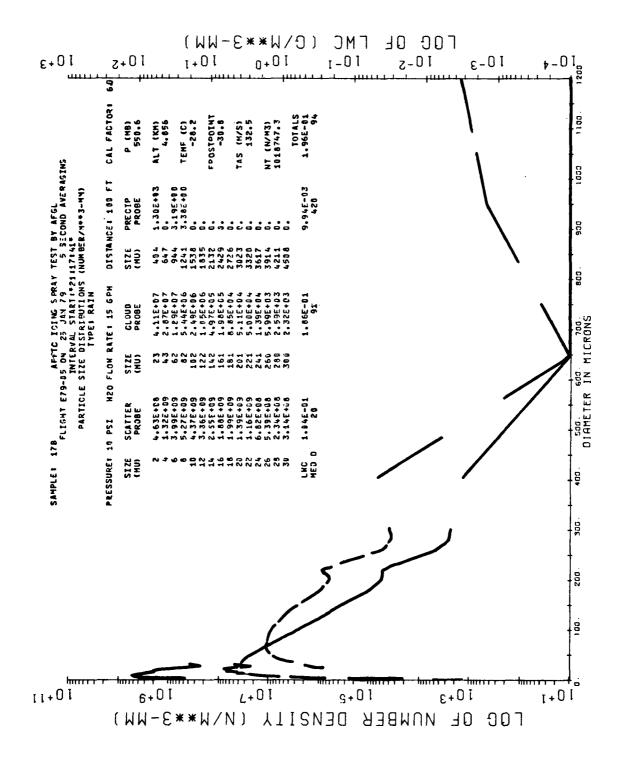


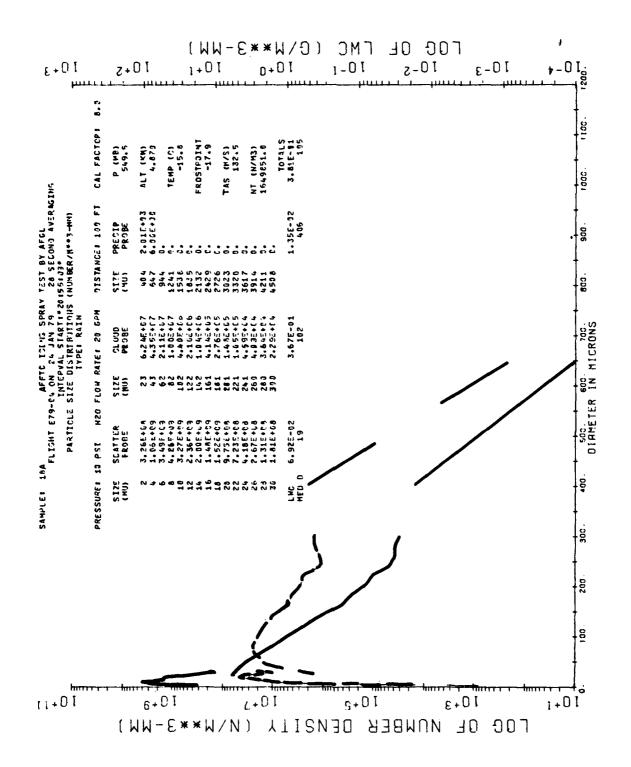


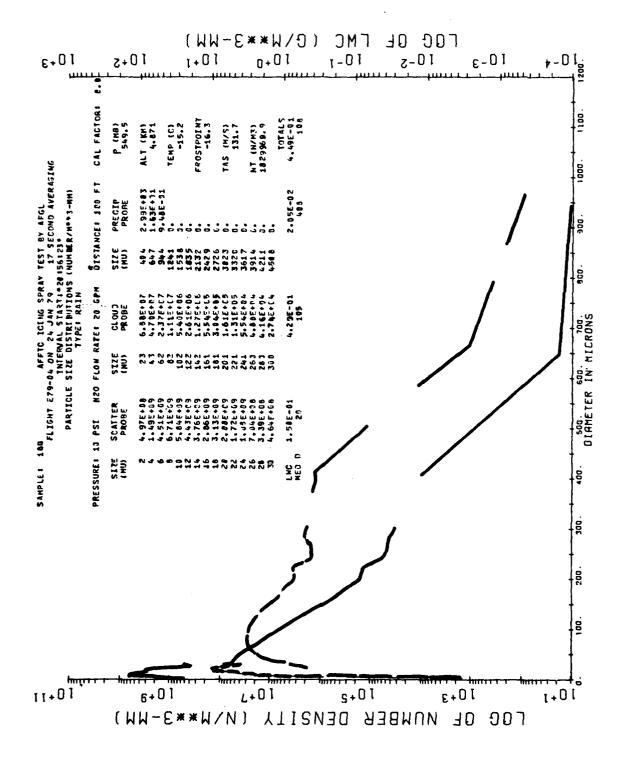


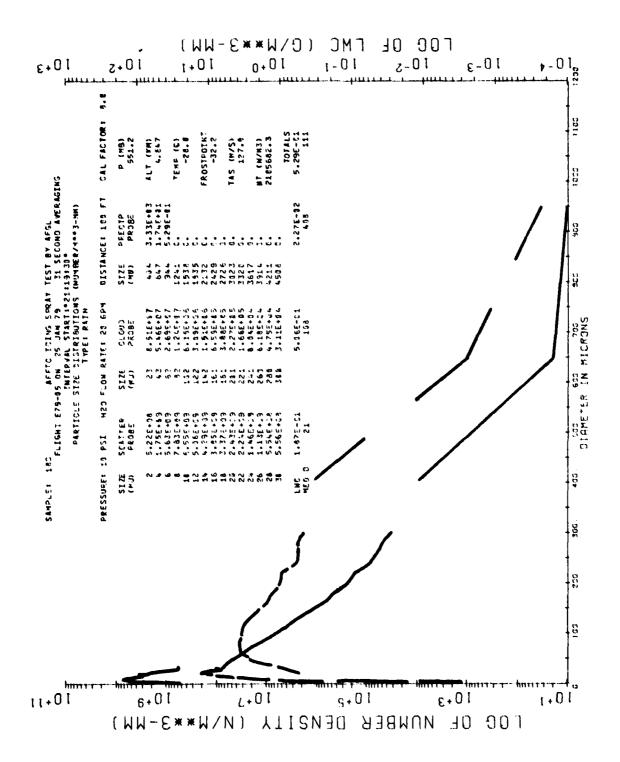


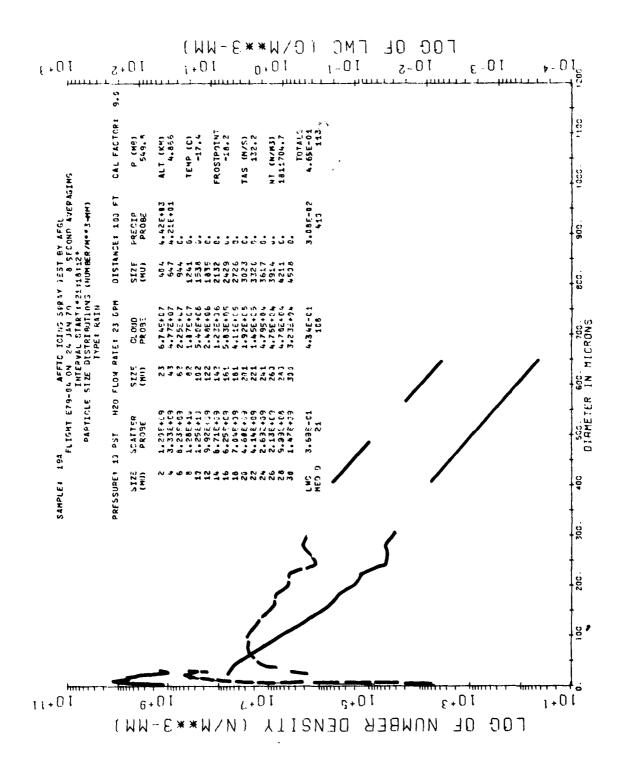


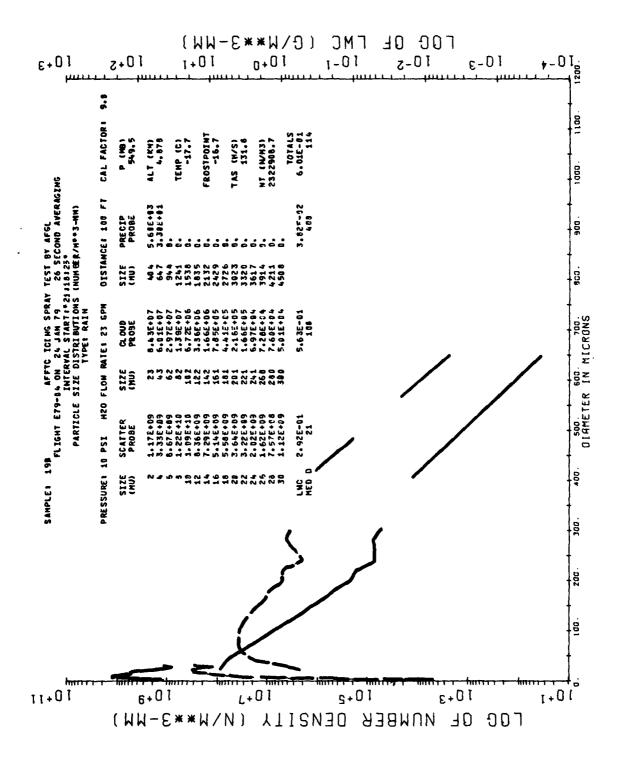


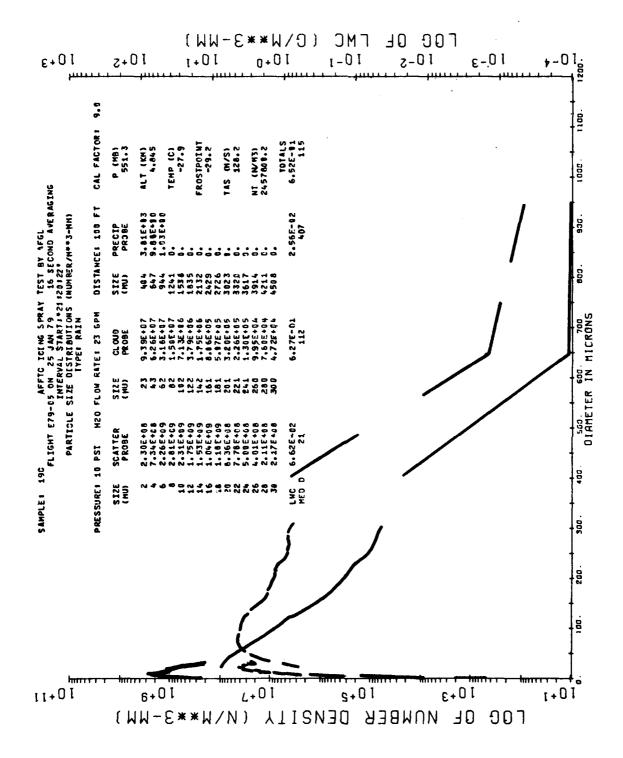




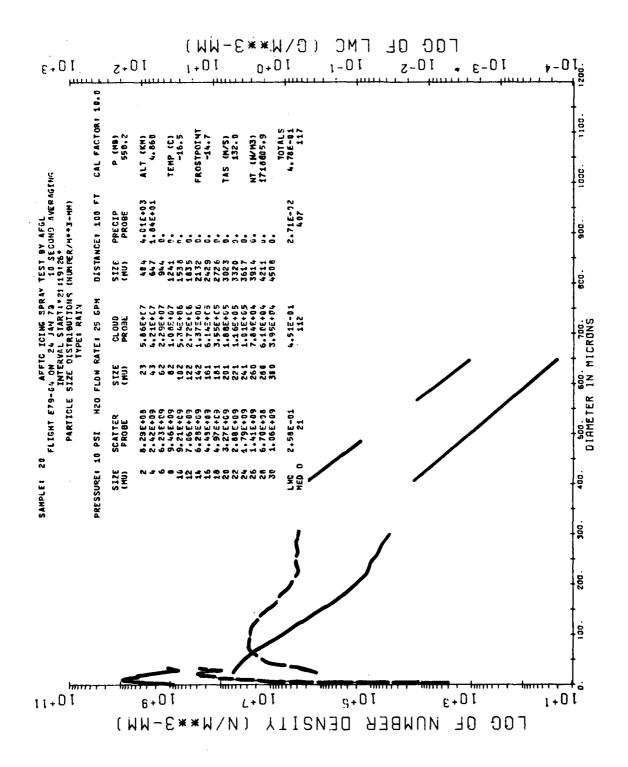




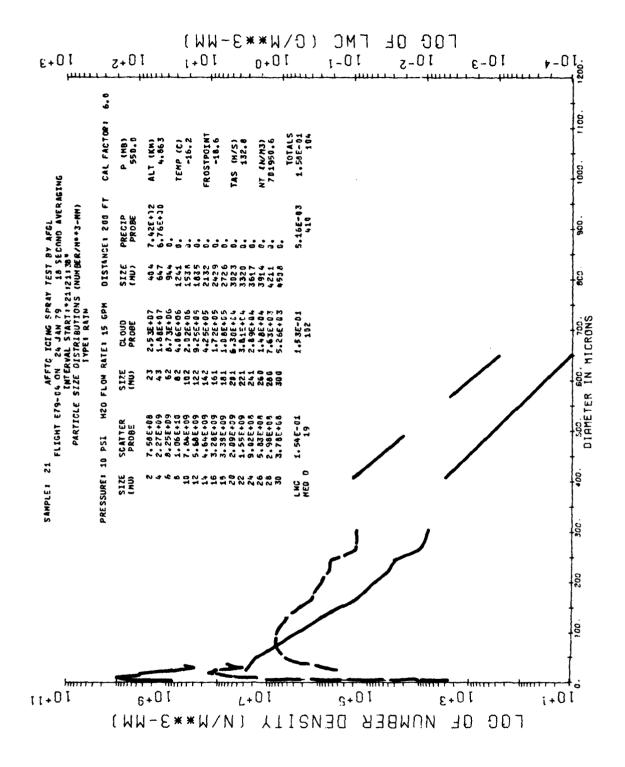


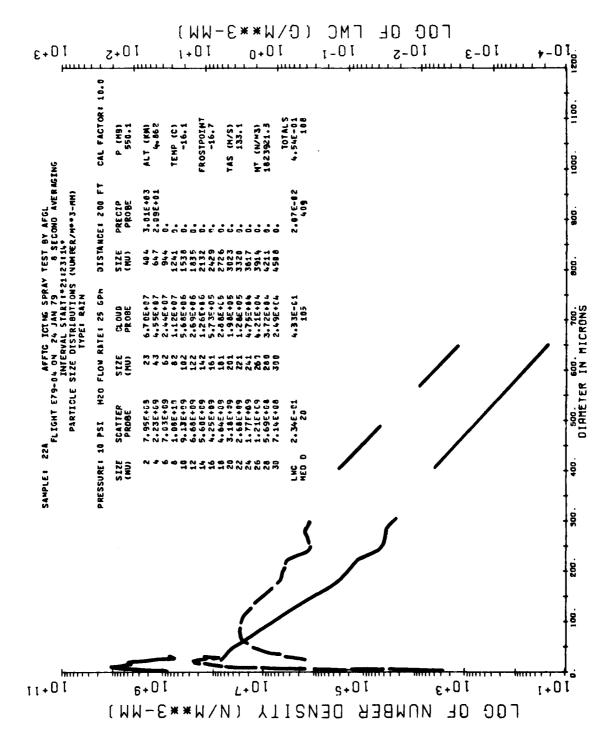


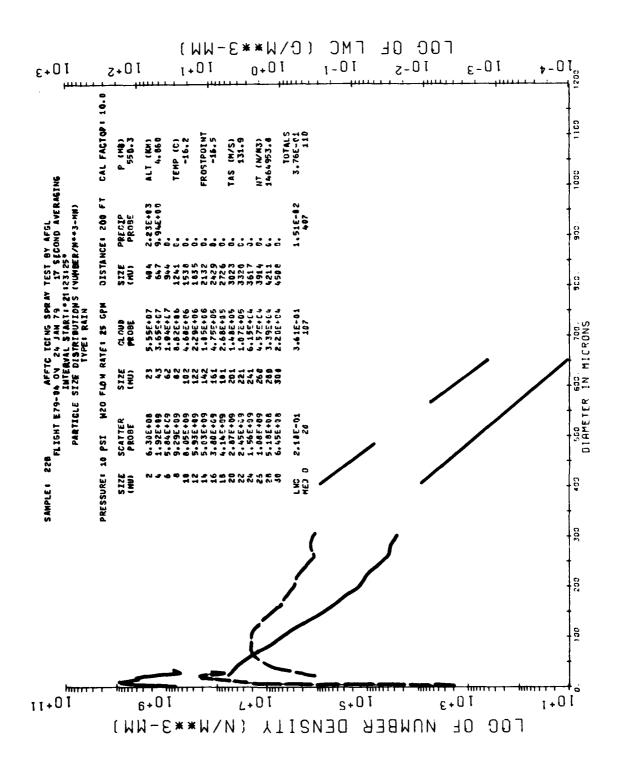
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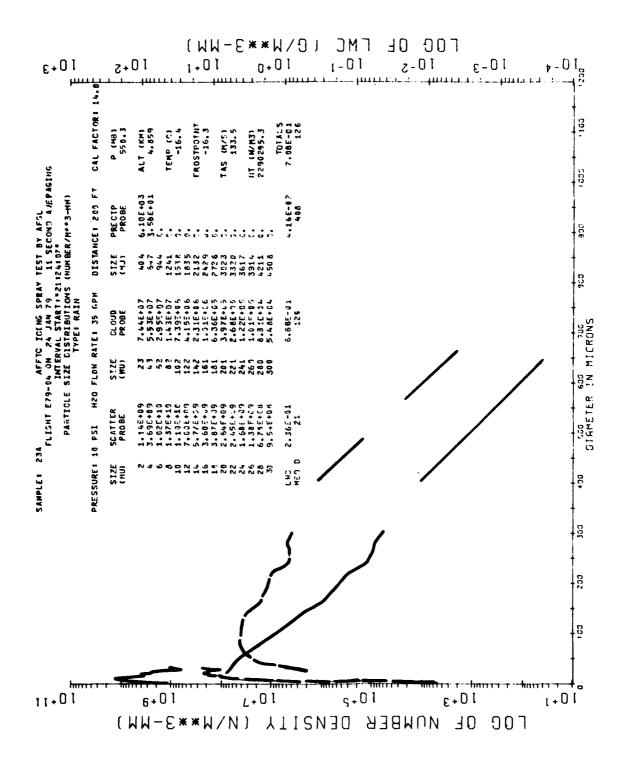


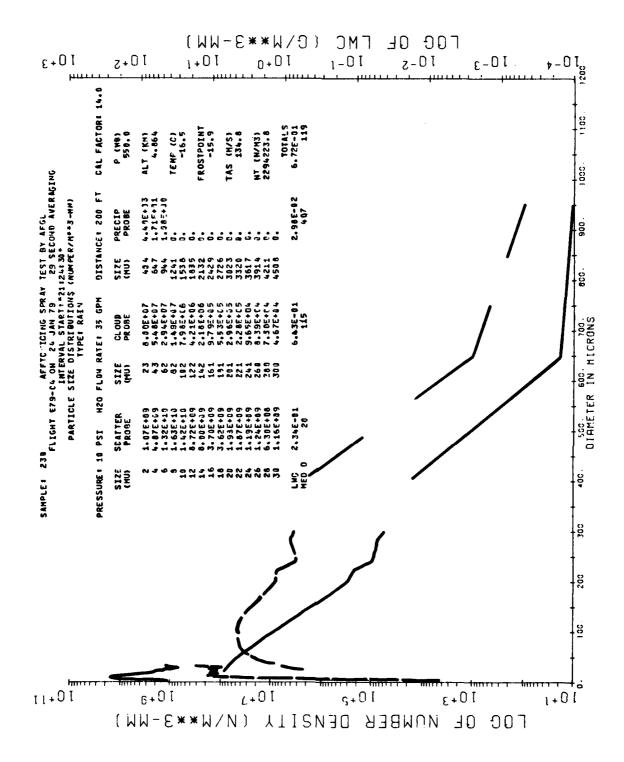
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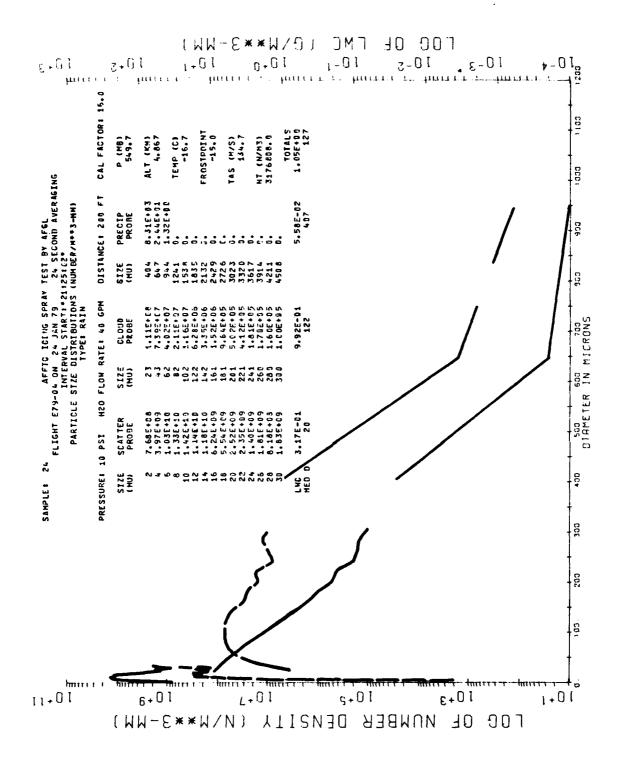


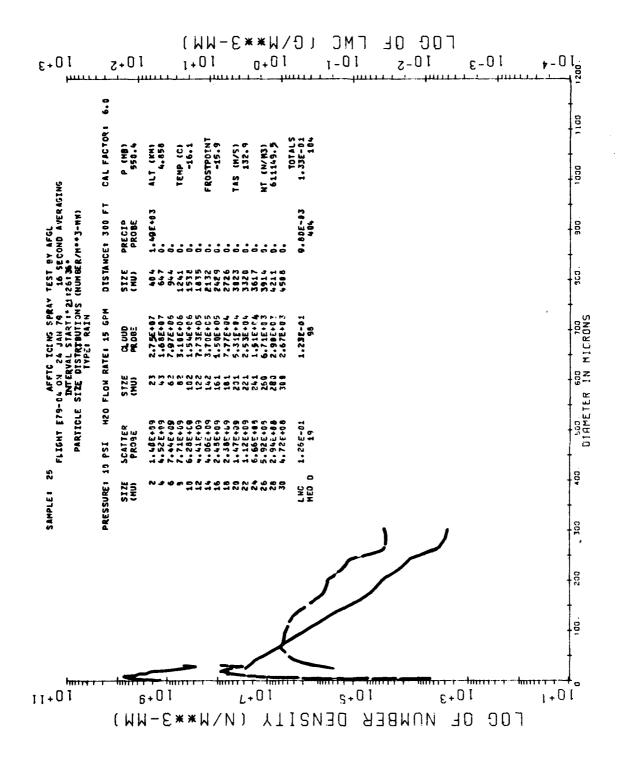


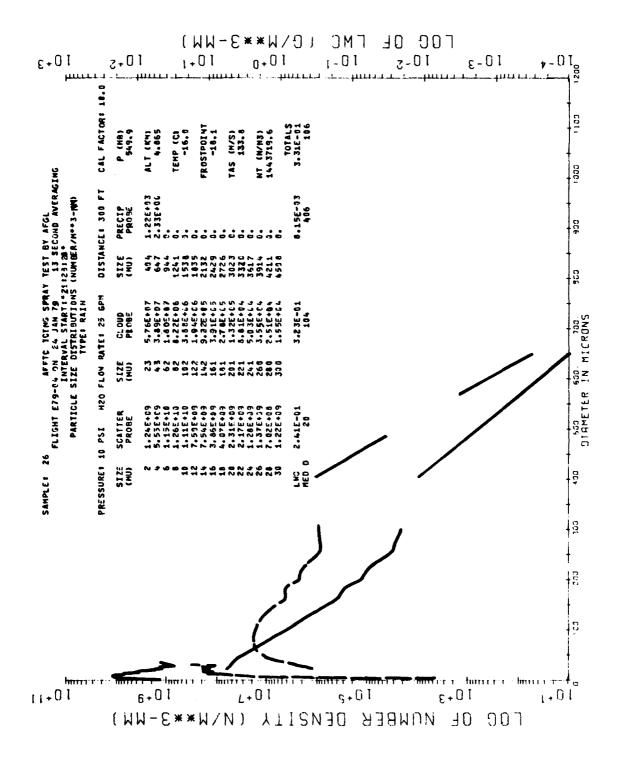


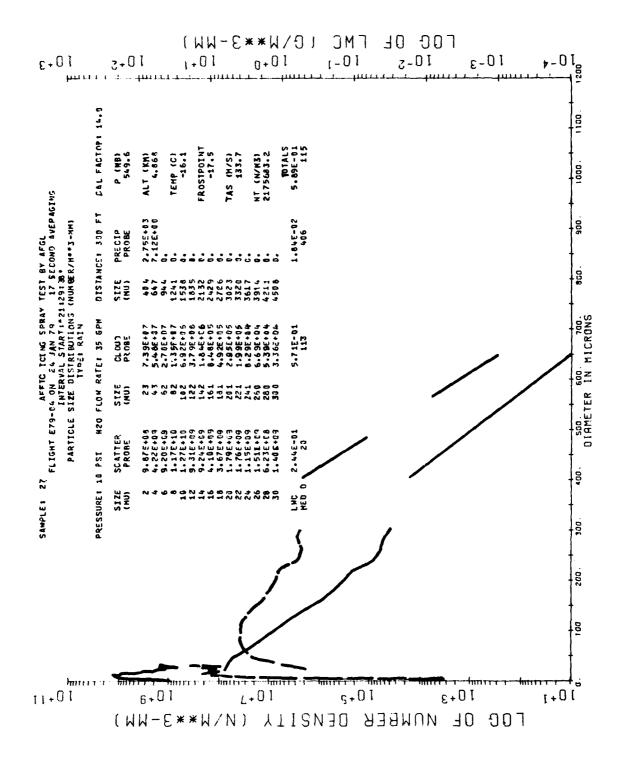


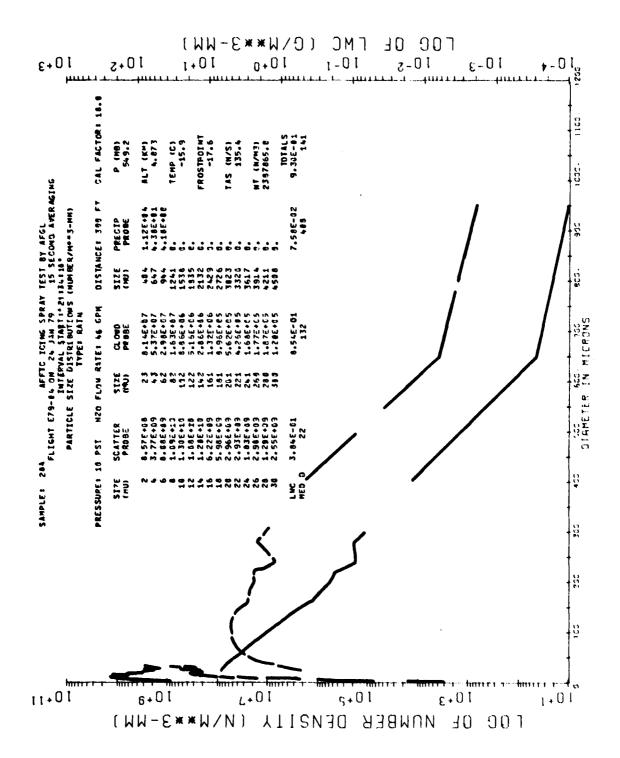
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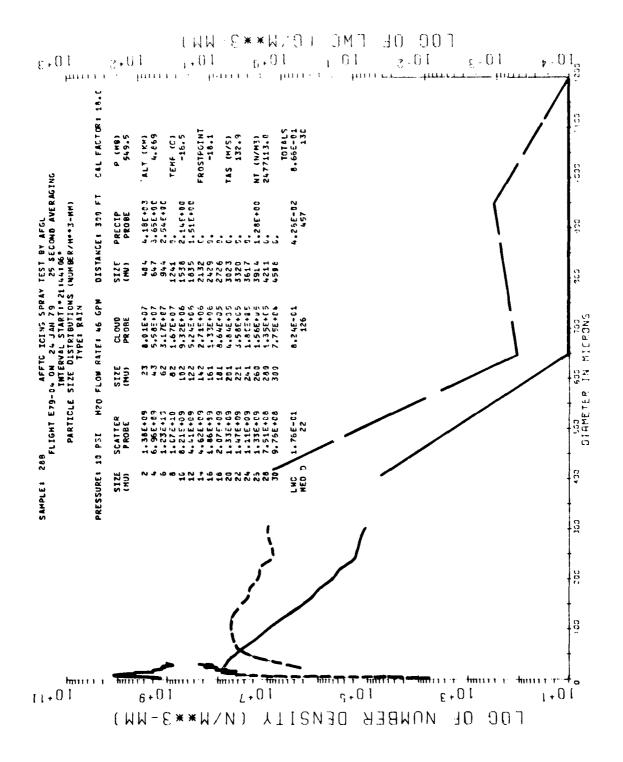


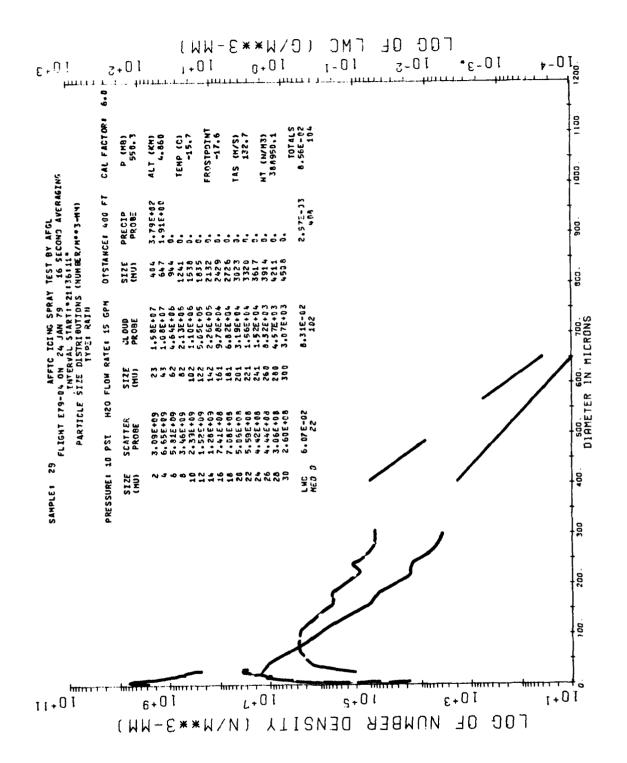


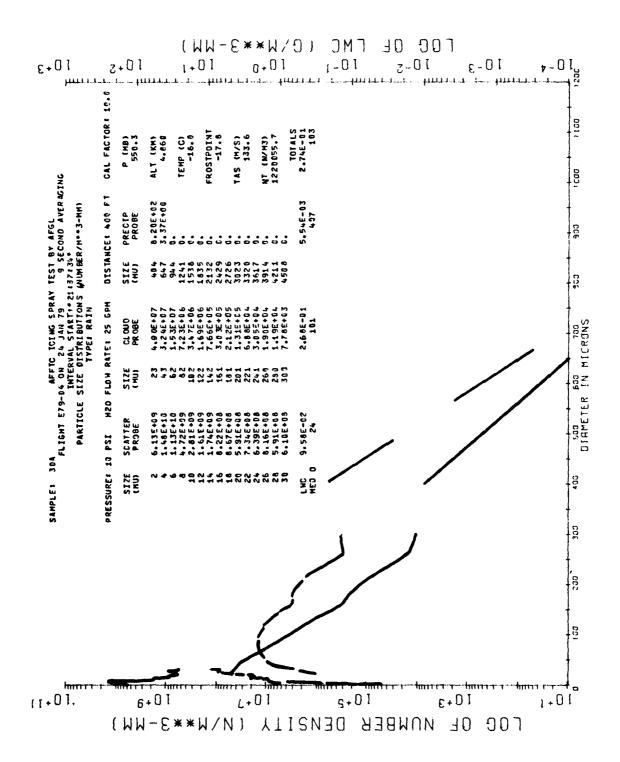


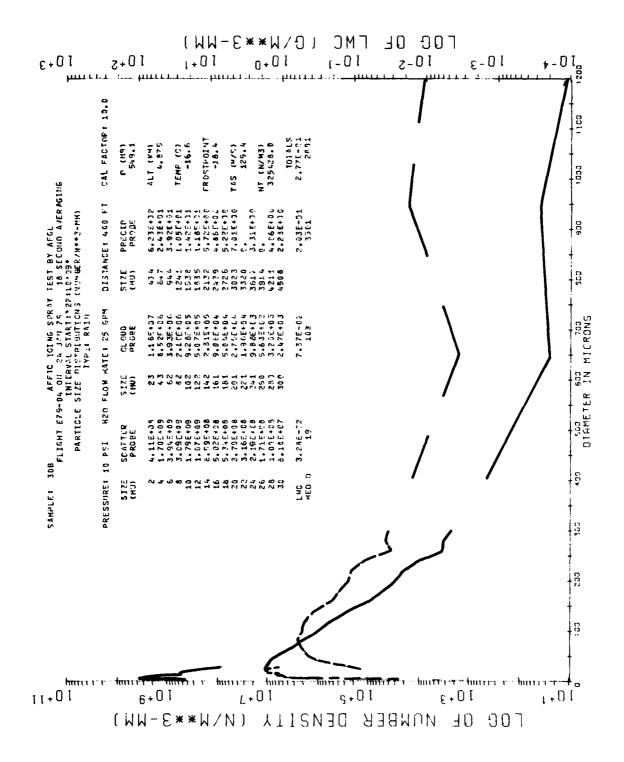
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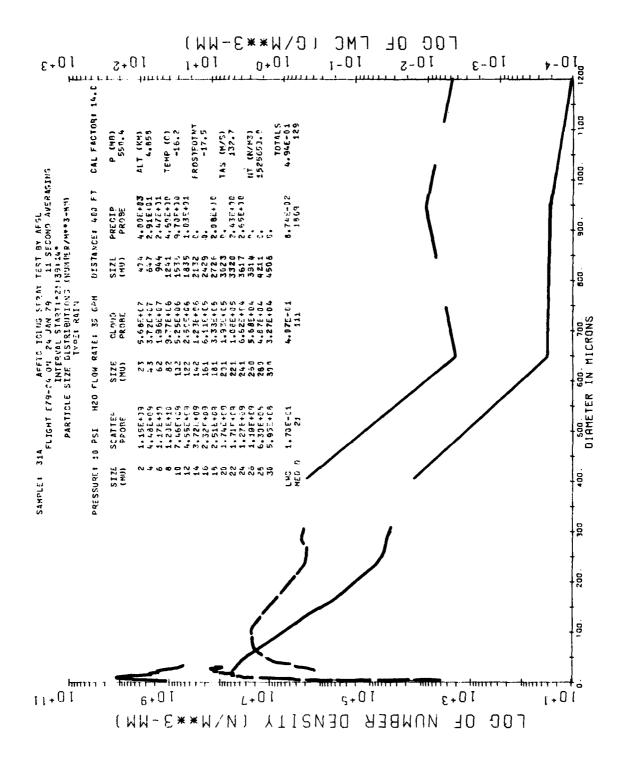
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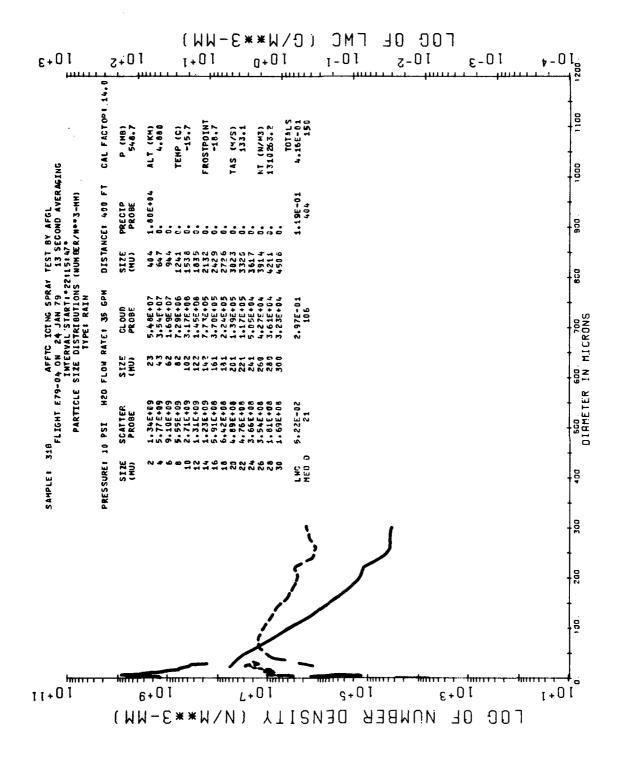


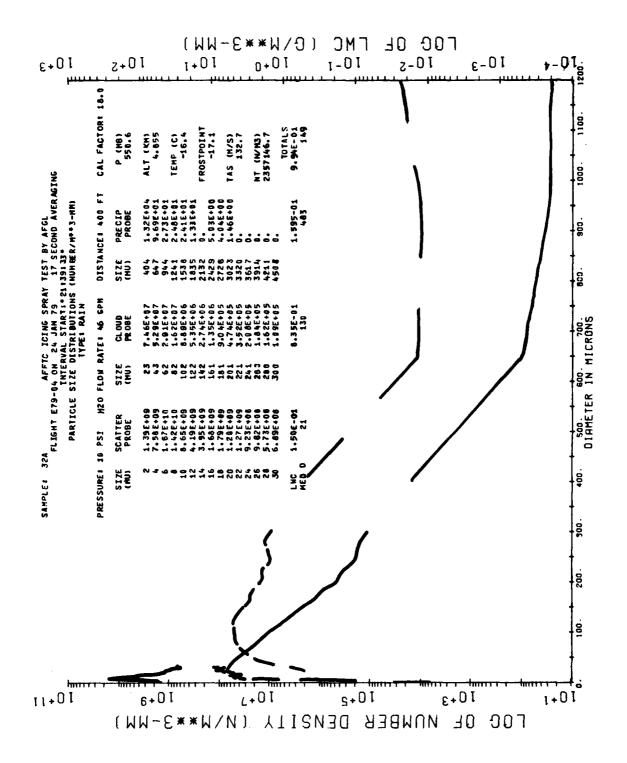


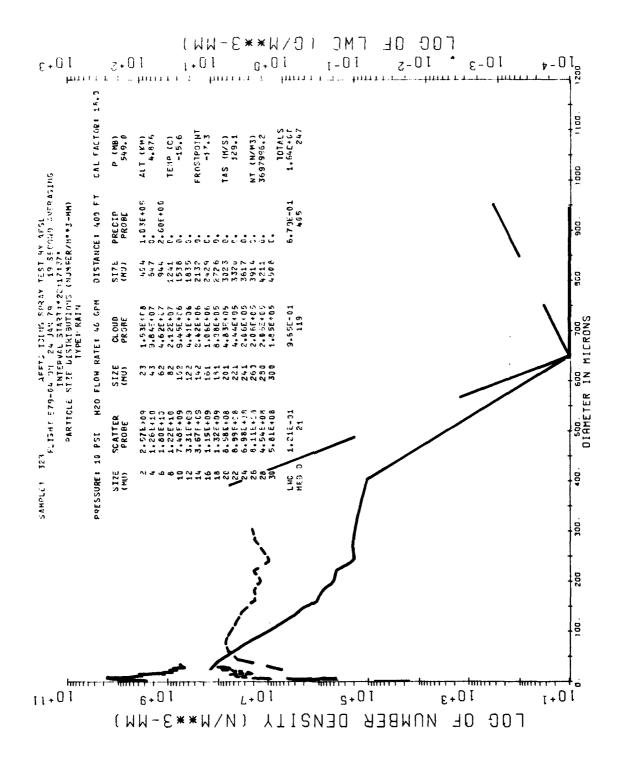


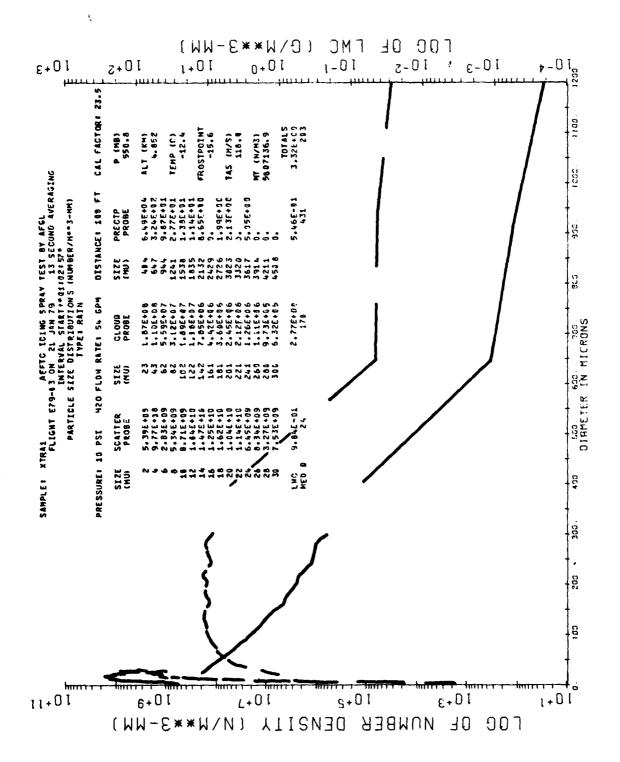


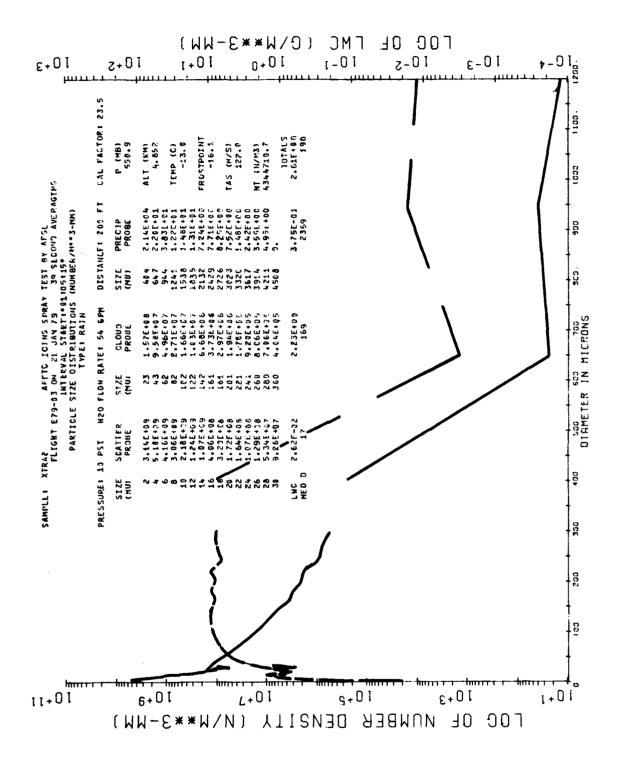








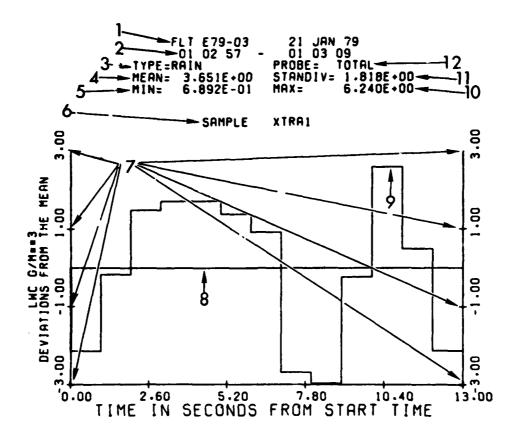




## Appendix B

Graphic Depiction of Variation With Time of Liquid Water Content Values

Graphic depiction of variation with time of 1-sec liquid water content values for each sample in grams per cubic meter are presented here. Arithmetic mean and standard deviation from the mean are calculated from 1-D cloud and precipitation probe data. Figure B1 indicates format of depiction. A variable scale is used on both the abscissa and ordinate to obtain the clearest possible presentation of each sample. Comparisons of these data should carefully note the scale of each sample presentation.



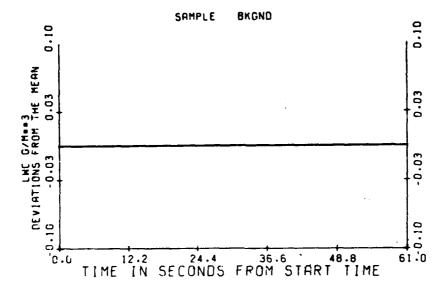
- 1. Date and Flight Number.
- Start and stop times of sample, GMT.
- Particle type selected for calculation of liquid water content.
- Arithmetic mean liquid water content of all 1-sec liquid water contents, grams per cubic meter.
- 5. Minimum 1-sec liquid water content in sample, grams per cubic meter.
- Sample designation.
- Positive and negative units of deviation of liquid water content, grams per cubic meter.
- Mean liquid water content line having value indicated in 4, grams per cubic meter.
- One-sec value of liquid water content. Add or subtract deviation from mean to item 4 to obtain value.
- Maximum 1-sec liquid water content in sample, grams per cubic meter.
- Standard deviation of sample, grams per cubic meter.

  Probe data included in sample. Total indicates combined cloud and precipitation probes with "normalization" and "smoothing" applied.

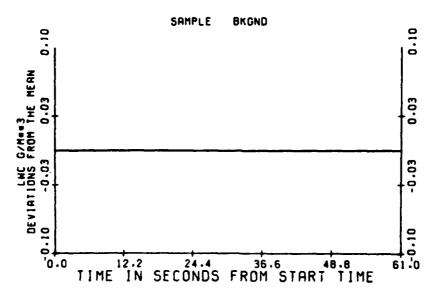
Figure B1. Graphic Format, One-Second Data, Liquid Water Content, Mean, and Standard Deviation

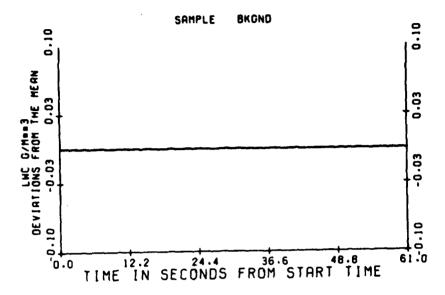
FLT E79-04 24 JRN 79
20 52 00 - 20 53 00

TYPE=RAIN PROBE: TOTAL
MEAN: 5.231E-06 STANDIV: 4.052E-05
MIN: 0. MAX: 3.191E-04

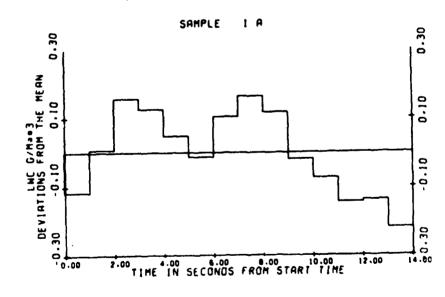


FLT E79-03 20 JAN 79 23 57 00 - 23 58 00 PROBE TOTAL STANDIVE O. MIN: 0. MAX: 0.

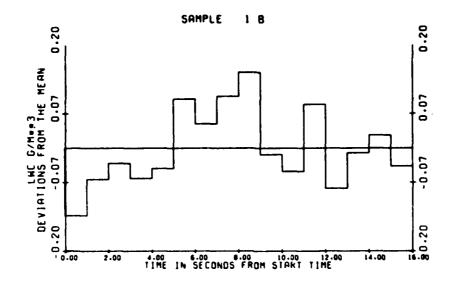




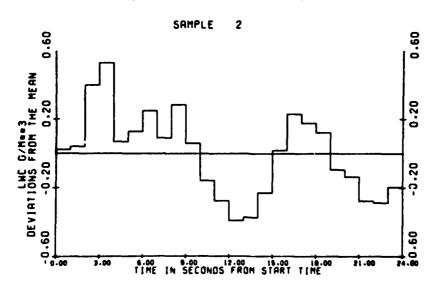
FLT E79-03 21 JAN 79
00 07 24 - 00 07 37
TYPE=RAIN PROBE= TOTAL
HEAN= 3.854E-01 STANDJY= 1.200E-01
HIN= 1.669E-01 HAX= 5.490E-01



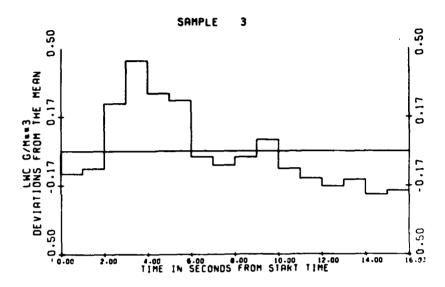
FLT E79-03 21 JAN 79 00 07 40 - 00 07 55 PROBE: TOTAL STANDIV: 7.373E-02 HIN: 1.853E-01 HAX: 4.629E-01



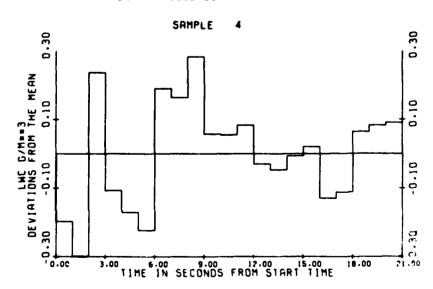
FLT E79-03 00 14 55 - 00 15 18 TYPE=RAIN PROBE= TOTAL MEAN= 4.957E-01 STANDIV= 2.402E-01 HIN= 1.045E-01 MAX= 1.024E+00



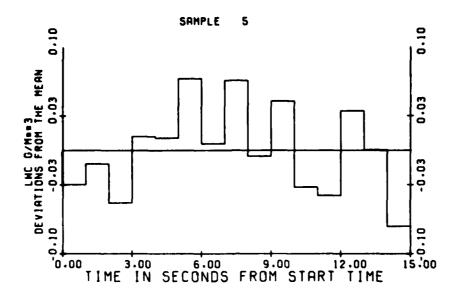
FLT E79-03 21 JAN 79
00 18 45 - 00 19 00
TYPE=RAIN PROBE= TOTAL
MEAN= 4.429E-01 STANDIV= 1.874E-01
MIN= 2.324E-01 MAX= 8.793E-01



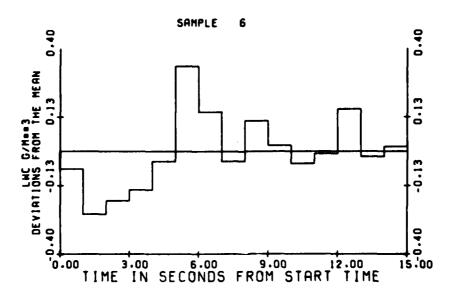
FLT E79-03 21 JAN 79 00 20 12 - 00 20 32 TYPE=RAIN PROBE= TOTAL STANDIV= 1.515E-01 MIN= 4.659E-01 MAX= 1.046E+00



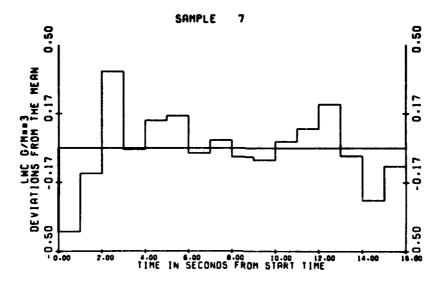
FLT E79-03 21 JAN 79
00 25 06 - 00 25 20
TYPE=RRIN PROBE= TOTAL
MEAN= 2.662E-01 STANDIV= 4.153E-02
MIN= 1.928E-01 MAX= 3.356E-01



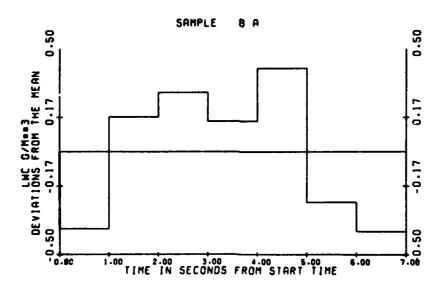
FLT E79-03 21 JAN 79
00 26 42 - 00 26 56
TYPE=RAIN PROBE= TOTAL
MEAN= 5.545E-01 STANDIV= 1.423E-01
MIN= 3.104E-01 MAX= 8.853E-01



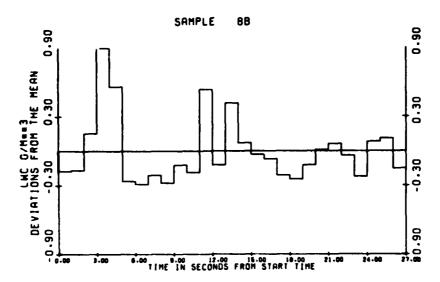
FLT E79-03 21 JAN 79
00 28 59 - 00 29 14
TYPE=RAIN PROBE= TOTAL
MEAN= 1.078E+00 STANDIV= 1.757E-01
MIN= 6.734E-01 MAX= 1.449E+00



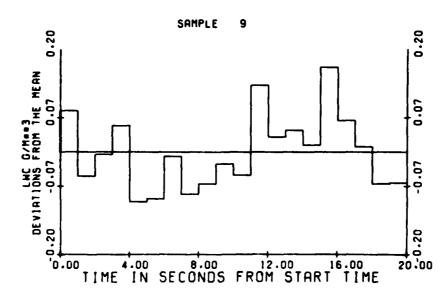
FLT E79-03 21 JAN 79
00 30 03 - 00 30 09
TYPE=RAIN PROBE= TOTAL
MEAN= 9.494E-01 STANDIV= 3.039E-01
MIN= 5.623E-01 MAX= 1.354E+00



FLT E79-03 21 JAN 79
00 30 20 - 00 30 46
TYPE=RAIN PROBE= TOTAL
HEAN= 9.035E-01 STANDIV= 2.864E-01
HIN= 6.159E-01 HAX= 1.798E+00

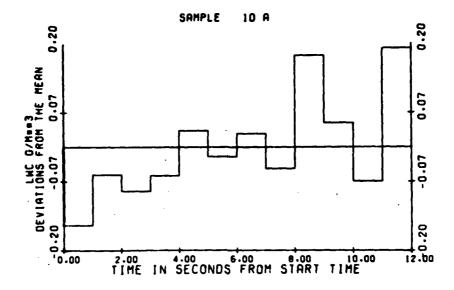


FLT E79-03 21 JAN 79
00 35 24 - 00 35 43
TYPE=RAIN PROBE= TOTAL
MEAN= 1.652E-01 STANDIV= 7.076E-02
MIN= 6.808E-02 MAX= 3.298E-01

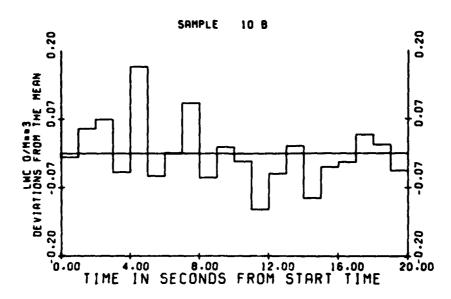


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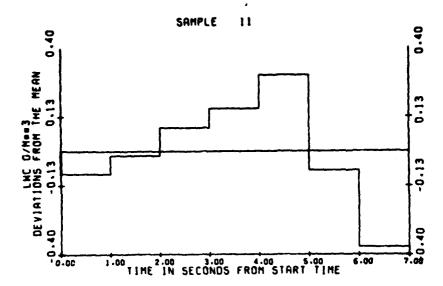
FLT E79-03 00 36 15 - 00 36 26 TYPE=RAIN PROBE= TOTAL MEAN= 2.637E-01 STANDIV= 9.741E-02 MIN= 1.121E-01 MAX= 4.539E-01



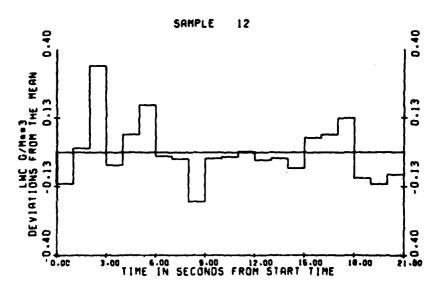
FLT E79-03 21 JAN 79
00 36 31 - 00 36 50
TYPE=RAIN PROBE= TOTAL
MEAN= 2.283E-01 STANDIV= 6.124E-02
MIN= 1.198E-01 MAX= 3.965E-01



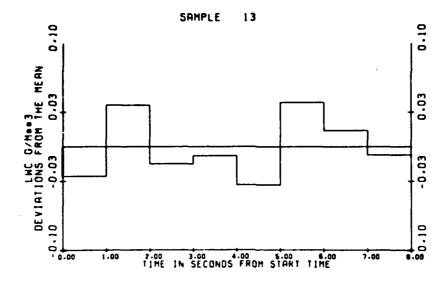
FLT E79-03 21 JAN 79
00 38 41 - 00 38 47
TYPE=RAIN PROBE= TOTAL
MEAN= 6.900E-01 STANDIV= 1.973E-01
MIN= 3.193E-01 MAX= 9.835E-01



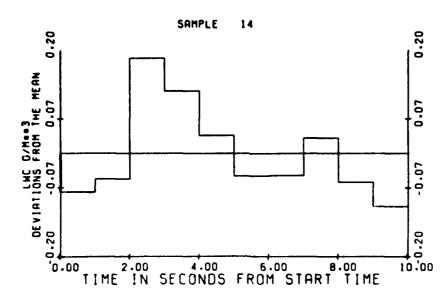
FLT E79-03 21 JAN 79
00 40 09 - 00 40 29
TYPE=RAIN PROBE= TOTAL
MEAN= 6.814E-01 STANDIV= 1.134E-01
MIN= 4.906E-01 MAX= 1.017E+00



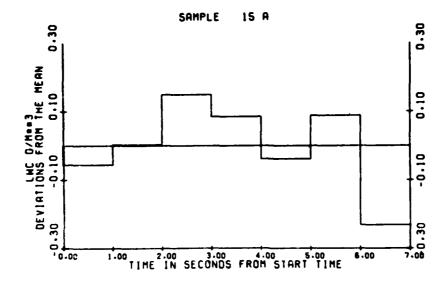
FLT E79-03 21 JAN 79 00 48 27 00 48 27 PROBE TOTAL STANDIV 2 2 795E-02 MIN = 1.057E-01 MAX 1.851E-01



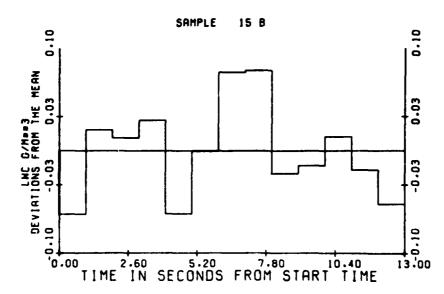
FLT E79-03 21 JAN 79 00 50 12 - 00 50 21 TYPE=RAIN PROBE= TOTAL STANDIVE 8-716E-02 HIN= 1-416E-01 HAX= 4-283E-01



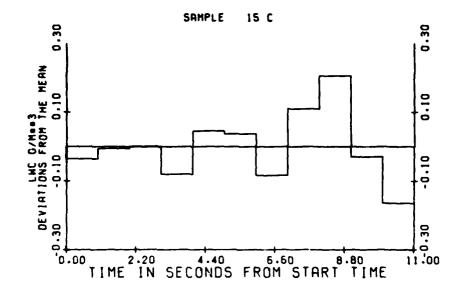
FLT E79-03 21 JAN 79 00 57 50 TYPE=RAIN PROBE= TOTAL STANDIV= 1-167E-01 MIN= 1-893E-01 MAX= 5-695E-01



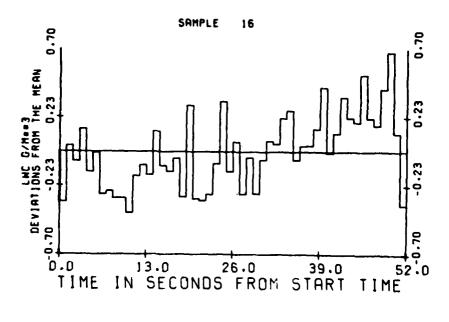
FLT E79-03 00 57 57 - 00 58 09 TYPE=RAIN PROBE= TOTAL MEAN= 3.733E-01 STANDIV= 4.391E-02 MIN= 3.112E-01 HAX= 4.517E-01



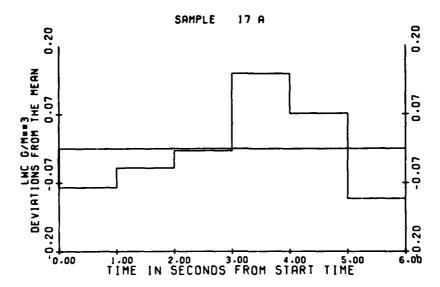
FLT E79-03 21 JAN 79 00 58 14 - 00 58 24 PROBE: TOTAL PROBE: TOTAL STANDIV: 9.538E-02 MIN: 2.943E-01 MAX: 6.638E-01



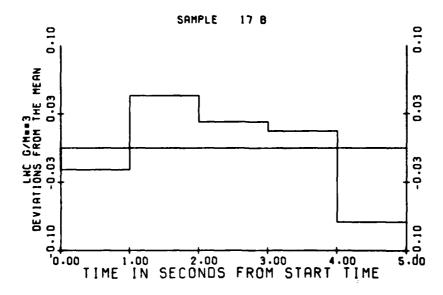
FLT E79-03 21 JAN 79
00 58 41 - 00 59 32
TYPE=RAIN PROBE= TOTAL
MEAN= 7.655E-01 STANDIV= 2.538E-01
MIN= 3.483E-01 MAX= 1.441E+00



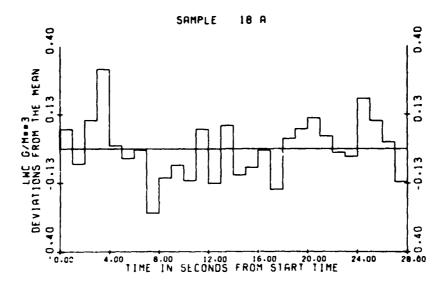
FLT E79-05 25 JAN 79
21 17 28 - 21 17 33
TYPE=RAIN PROBE= TOTAL
HEAN= 2.388E-01 STANDIV= 8.398E-02
MIN= 1.418E-01 MAX= 3.843E-01



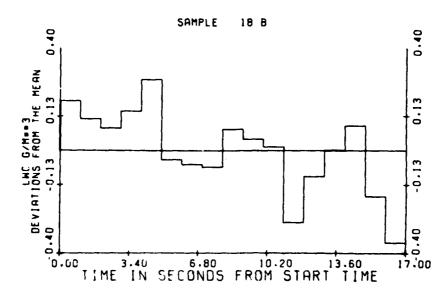
FLT E79-05 21 17 41 - 21 17 45 TYPE=RAIN PROBE= TOTAL MEAN= 1.957E-01 STANDIV= 4.279E-02 MIN= 1.237E-01 MAX= 2.468E-01



FLT E79-04 24 JAN 79
20 55 09 - 20 55 36
TYPE=RAIN PROBE= TOTAL
MEPN= 4.561E-01 STANDIV= 1.160E-01
MIN= 2.069E-01 MAX= 7.652E-01

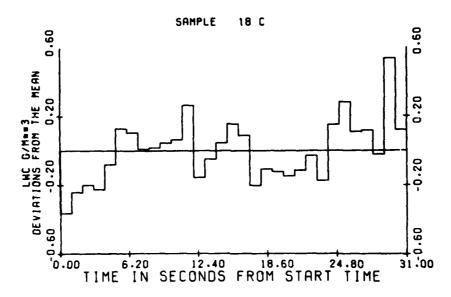


FLT E79-04 24 JAN 79 20 56 23 - 20 56 39 TYPE=RAIN PROBE= TOTAL MEAN= 4.684E-01 STANDIV= 1.601E-01 MIN= 1.098E-01 MAX= 7.443E-01

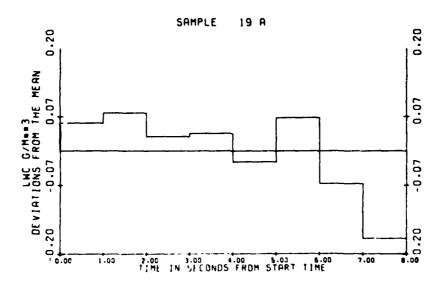


FLT E79-05 25 JAN 79
21 19 30 - 21 20 00

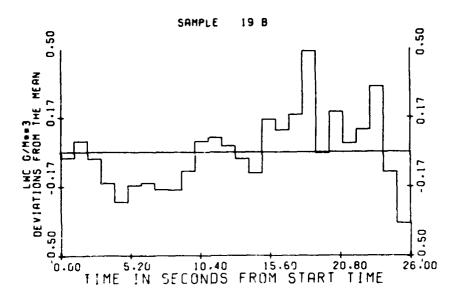
TYPE=RAIN PROBE: TOTAL
MEAN: 5.685E-01 STANDIV: 1.809E-01
MIN: 2.042E-01 MAX: 1.103E+00



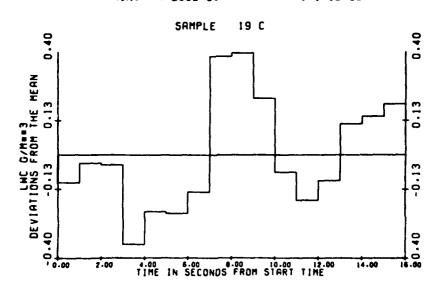
FLT E79-04 24 JAN 79
21 18 12 - 21 18 19
TYPE=RAIN PROBE= TOTAL
MEAN= 4.247E-01 STANDIV= 7.728E-02
MIN= 2.550E-01 MAX= 4.985E-01



FLT E79-04 24 JRN 79
21 18 25 - 21 18 50
TYPE=RRIN PROBE= TOTAL
MEAN= 6.384E-01 STANDIV= 1.763E-01
MIN= 2.956E-01 MAX= 1.125E+00



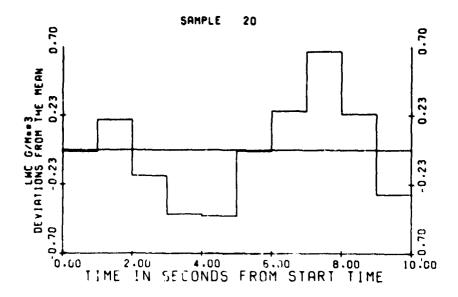
FLT E79-05 25 JAN 79
21 20 22 - 21 20 37
TYPE=RAIN PROBE= TOTAL
MEAN= 7.768E-01 STANDIV= 2.129E-01
MIN= 4.296E-01 MAX= 1.171E+00



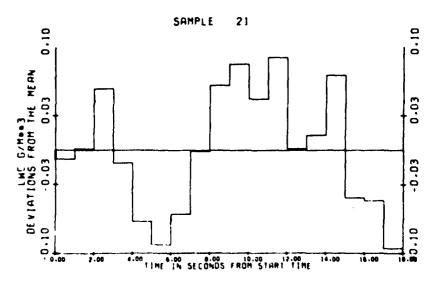
The Lord Bridge

FLT E79-04 24 JAN 79
21 19 26 - 21 19 35

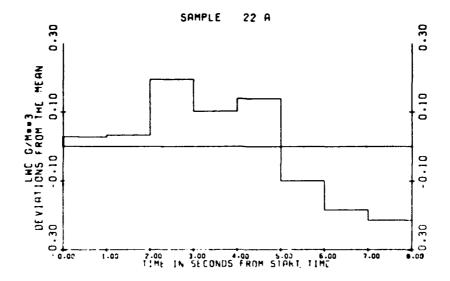
TYPE=RRIN PROBE= TOTAL
MEAN= 5.095E-01 STANDIV= 3.348E-01
MIN= 6.229E-02 MAX= 1.174E+00



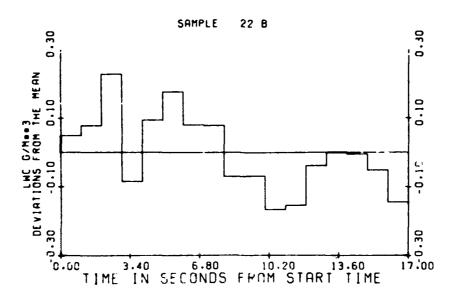
FLT E79-04 24 JRN 79 21 21 38 - 21 21 55 TYPE:RAIN PROBE: TOTAL MEAN: 1.665E-01 STANDIV: 5.831E-02 MIN: 7.132E-02 MAX: 2.562E-01



FLT E79-04 24 JAN 79
21 23 14 - 21 23 21
TYPE=RAIN PROBE= TOTAL
MEAN= 4.355E-01 STANDIV= 1.411E-01
MIN= 2.215E-01 MAX= 6.307E-01



FLT E79-04 21 23 25 - 21 23 41 TYPE=RRIN PROBE= TOTAL MEAN= 3.954E-01 STANCIV= 1.102E-01 MIN= 2.289E-01 MAX= 6.234E-01

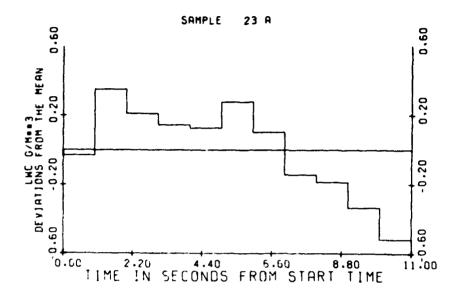


FLT E79-U4 24 JRN 79
21 24 07 - 21 24 17

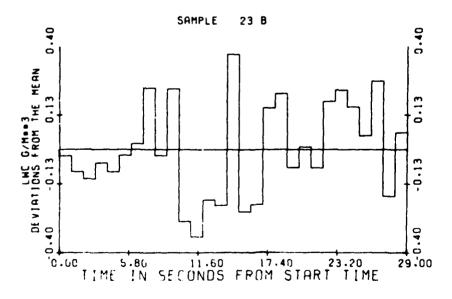
TYPE=RAIN PROBE= TOTAL

MEAN= 6.982E-01 5TANDIV= 2.573E-01

MIN= 1.798E-01 MAX= 1.048E+00

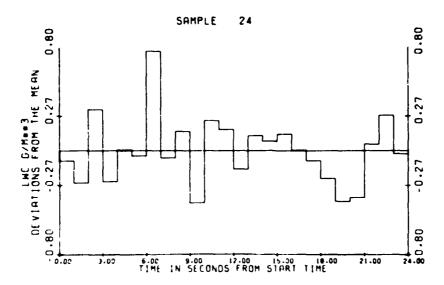


FLT E79-04 24 JAN 79
21 24 30 - 21 24 58
TYPE=RAIN PROBE= TOTAL
MEAN= 7.519E-01 STANDIV= 1.826E-01
MIN= 4.140E-01 MAX= 1.120E+00

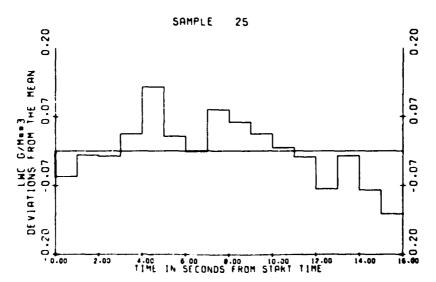


FLT E79-04 24 JAN 79
21 25 02 - 21 25 25

TYPE=RAIN PROBE: TOTAL
MEAN: 1.171E+00 STANDIV: 2.539E-01
MIN: 7.697E-01 MAX: 1.937E+00

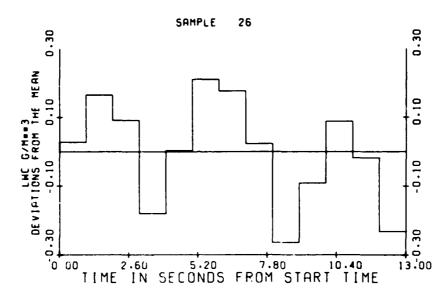


FLT E79-04 24 JAN 79 21 26 36 - 21 26 51 PROBE: TOTAL STANDLY: 5.943E-02 MAX: 2.527E-01

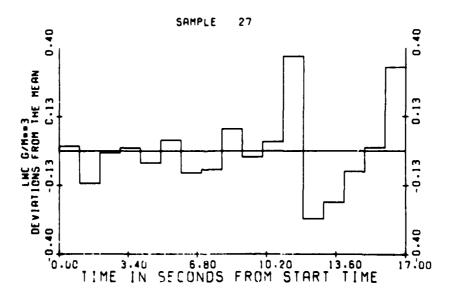


FLT E79-04 24 JAN 79
21 28 28 - 21 28 40

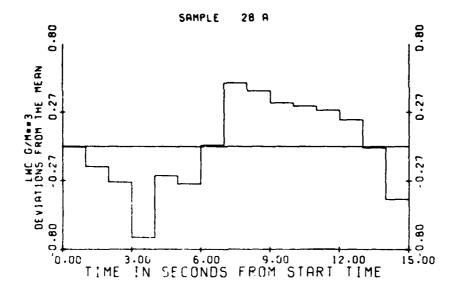
TYPE=RAIN PROBE= TOTAL
MEAN= 3.756E-01 STANDIV= 1.478E-01
MIN= 1.117E-01 MAX= 5.853E-01



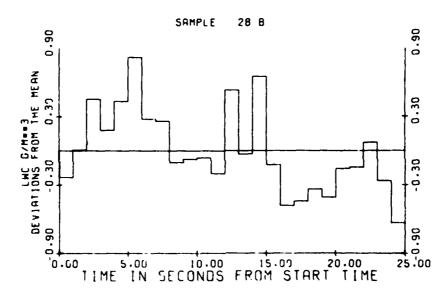
FLT E79-04 24 JRN.79 21 29 38 - 21 29 54 TYPE=RAIN PROBE= TOTAL MEAN= 7.073E-01 STANDIV= 1.526E-01 MIN= 4.450E-01 MAX= 1.074E+00



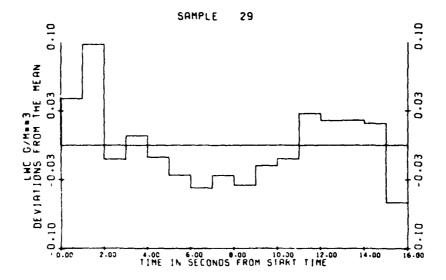
FLT E79-04 24 JRN 79 21 34 18 - 21 34 32 TYPE=RRIN PRCBE= TOTAL MEAN= 8.970E-01 STANDIV= 3.337E-01 MIN= 1.892E-01 MAX= 1.390E+00



FLI E79-04 24 JAN 79
21 44 06 - 21 44 30
TYPE=RAIN PROBE= TOTAL
MEAN= 1.188E+00 STANDIV= 3.632E-01
MIN= 5.554E-01 MAX= 2.006E+00



FLT E79-04 24 JAN 79
21 36 11 - 21 36 26
TYPE=RAIN PROBE= TOTAL
HEAN= 9.163E-02 STANDIV= 3.795E-02
HIN= 3.611E-02 MAX= 1.892E-01

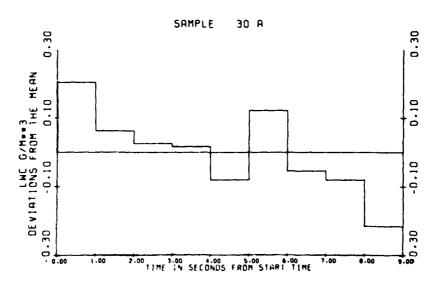


FLT E79-04 24 JRN 79
21 37 34 - 21 37 42

TYPE=RAIN PROBE= TOTAL

MEAN= 2.615E-01 STANDIV= 1.172E-01

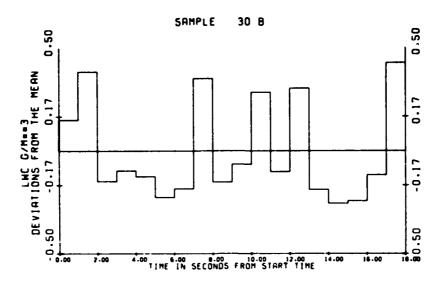
MIN= 4.626E-02 MAX= 4.653E-01



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FLT E79-04 24 JAN 79
22 10 09 - 22 10 26

TYPE=RAIN PROBE= TOTAL
MEAN= 3.038E-01 STANDIV= 2.341E-01
MIN= 4.885E-02 HAX= 7.295E-01

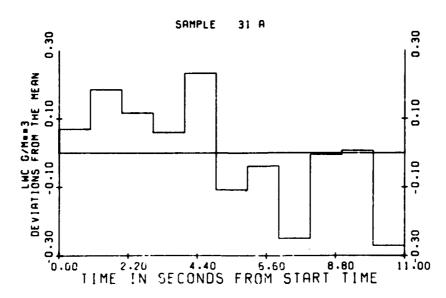


FLT E79-04 24 JAN 79
21 39 14 - 21 39 24

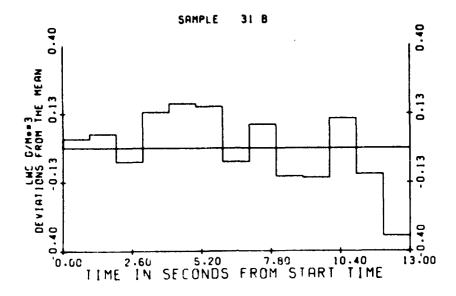
TYPE=RAIN PROBE= TOTAL

MEAN= 5.425E-01 STANDIV= 1.534E-01

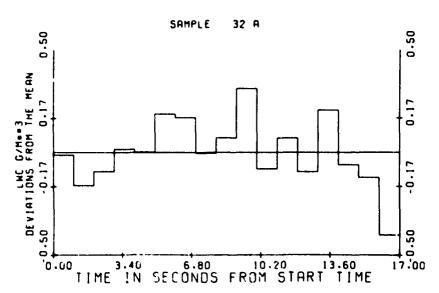
MIN= 2.721E-01 MAX= 7.750E-01



FLT E79-04 24 JAN 79
22 15 47 - 22 15 59
TYPE=RAIN PROBE: TOTAL
MEAN: 3.968E-01 STANDIV: 1.410E-01
MIN: 5.612E-02 MAX: 5.701E-01

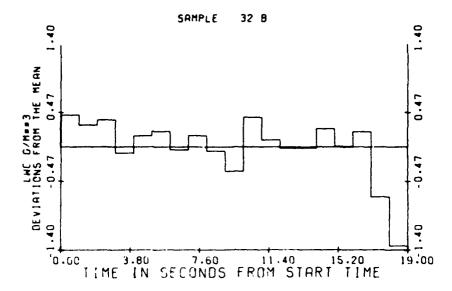


FLT E79-04 24 JAN 79
21 39 33 - 21 39 49
TYPE=RAIN PROBE: TOTAL
MEAN: 9.806E-01 STANDIV: 1.615E-01
MIN: 5.78BE-01 MAX: 1.292E+00

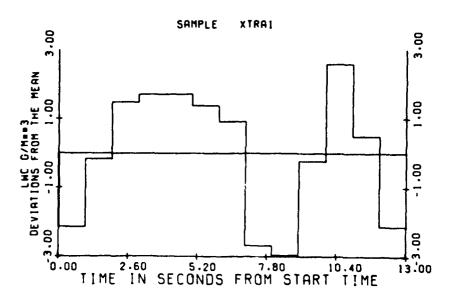


FLT E79-04 24 JAN 79
22 17 37 - 22 17 55

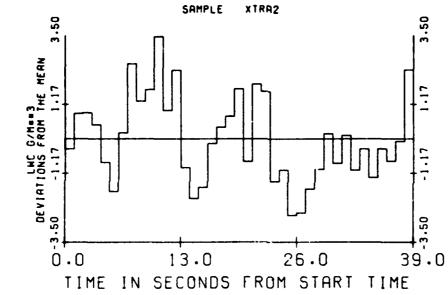
TYPE=RAIN PROBE= TOTAL
MEAN= 1.593E+00 STANDIV= 4.078E-01
MIN= 2.487E-01 MAX= 2.025E+00



FLT E79-03 21 JAN 79
01 02 57 - 01 03 09
TYPE=RAIN PROBE= TOTAL
MEAN= 3.651E+00 STANDIV= 1.818E+00
MIN= 6.892E-01 MAX= 6.240E+00







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## Appendix C

One-Second Data

PMS 1-D printouts of data at 10-sec intervals are given for all sampling passes listed in Table 1. A detailed description of the format of the printouts is given in Figure A2. The data illustrate the range of liquid water values and distributions occurring within the spray plume. Background samples indicate the particle quantities and distributions present in clear air at the flight levels of the tests.

	Zilda auch
PARTICLE S	PARTICLE .12: DISTRABUTIONS (NUMBER/M++3-44)
FLIGHT 279-0	FLISHT E79-13 DK 12 JAN 79 1 SECOND AVERAGING

9 N 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		P (MB)	ALT (KH)	832	TEMP (C)	-10.6	F: OSTPOINT	-32.4	1 AS (M/S)					IJIALS P.	;	31 NG		P (MB) 552.1	ALT CRMS	4.635	107 3731	-10.5		FOSTPOINT	**2£-	TAS (M/S)	126.0	N (N/H3)		TOTALS	
AFFIC [CLUG SPRAY TEST BY AFFIL 18 TECHNG AVERGING 19 18 19 19 19 19 19 19 19 19 19 19 19 19 19		PR.CIP	• 0	•	: .:	:	3.5	.:	. , 6	; ;	<b>:</b>	• .6	::		· :	AFFIC LOUNS SPARY FEST BY AFFIC TAINGS PART TEST BY AFFIC TAINGS AND AN THE TEST BY AFFIC TAINGS (AND AND AND AND AND AND AND AND AND AND		94.31P	,	: ئ	•	• •	:	÷.		: :	•	•	,•.	•	.;
24 TEST 8' 1 SE: 127157102° 15 (NUMBER	tPLE	\$12c (40)	3	440	1241	1536	1835	2429	2726	332.	361	5914	453:			ARY TEST 6 1 5 1 12 15 7 1 5 7	4PL:	SIZL	r 4	2.	***	1236	1935	2132	2429	3323	3320	3914	4211	0.00	
AFFIC 10146 SPRAY TEST BY AFFIL 34 24 JAY 7 1 SECOND A 41.244 JARTIN 27457402° 75 ULSTRIBUTONS (MUMBER/MP*3-41) 1721 ARIN	3436640J40 SAMPLE	31030	.;	<b>.</b>	;;	:	;.;	;			<i>;</i>	• • •	: :	,:	;	A=10 [JINS SPAR FEST BY AFSL 1 SECOND AVER INTERAL STATIFEZESFRESP 247[TOLE SIZL JIS] (13J1) NS (NJYBER/N**3+44)	3.34530JNJ EAMPLE	5,003	ئے	:	.; <i>.</i>		: -:	:				• ;		;	;
AFFT0 14.24 14.24	37.76	-215	1	, Ç	1 20	3	771	191	# . 60 0	. 61	7.	382	3.5			A = 1 (	, · ·	\$4.2 (4.3)	3.5	, .) (	2 :		2	7		1.	72.	1 10	282	5	
FLIGHT E73 PARTICLE		SCATIE.	ن	;			; ;	;	; ;		.;	• ب د .	: <b>:</b>	j	•	FLISH =79		SCATTER >< 33E		; :	•	 	;	<i>.</i> ;,	و د	;;	:.			•	
		312 (LH)	٨.	.+ .0	•	7	2 3	9	<u> </u>	7	34	n 0	33	1	150.0			\$12	`			· 7	173	3	15	26	25	# 45 U K	2.5	3	LAC D
S N I G		P (MB) 952.7	ALT (KH)	4.966	TEMP (C)	-10.6	FROSTPOINT	-32.4	145 (8/5)	120.1		0.0		3		S N S		P (48) 552.6	SLT (KH)	4, 628	(3) SR31	-10.6		F POSTPOINT	-35.4	14S (H/S)	127.6	4T (N/H3)	0.0	TOTALS	•
BY AFGL SOND AVERA KYM##3-44)		PRECIP P109E	, ,,	•		<b>.</b>	• •	•	• •	•	•	• •	•	•	•	N AFSL COND AVERAGE		oq_C1P 0Q19E	.;	•	• .	• •	:	•	• •	·,•.	• •	; ,•	•••		;
TEST 1 SEST 1 SEST 1 SEST 1 SEST 1 SEST 1 COUNTRES	<b>ار</b> :	SIZE	7	7.5	1541	1538	2132	2429	3323	332.	3617	1724	4538			17 TZST 9 1 SE 171571617	ij	3724	464	2 49	124	1518	1835	2132	2726	3023	3520	1914	4211		
TC IDING SPRAY TEST BY AFGL  1 a. JAN 79 I SECOND AVERAGING  2 AAL STATIFEED TO	BASKSROJNO SAMPLE	0_34J	÷.				• •	:-	::	;	•	::	;		3	TO IGING SPRAY TEST BY AFGL   LEADAN 79 I SECOND AVERAGINS  KAM STARIFERING NUMBER/H**5-MM)  TPSER RAIN	SKGROUND SAMPLE	CL.JJ 3439E	•		• •	::	;	• •	• •	:	::		::		
23 23 C	940	\$12E	E C	· 6	82	2.5	1 2 2	91	121	122		, , , e , k	39.			# M T A	¥, 4.6	\$17. (49)	31	₩ f	7 7	122	. 3 2.1	ا د او است	::	7.7	; ; ;	9.	 60 e: 61 f6		
FLISHT 679-53 DW		\$24T1 ER 2433E		: :		•	• • •		• •	•	ہ ف	: .	•		•	FLISH1 E79-03 I PARTICLE ST		SCATTE?		: 6	; ;	:	: .	• •		•		.;	: . ئ	٠	,
		SIZE	<b>^1</b> ·	• 10	•	2.	1 1	10	2 2	≈	*2	9 ep	3	CM.	HEO )			S12.	^1	+ 4	•	` 4	<b>4</b> :	÷ •	3 5	<b>~</b> ?	, , ,	97	8.8	5	4E0 0

ATTIC ASTAS SPRAY TEST BY AFIL	1 3% CO JAN 79 1 SECOND AVERAGING	[4TE 24A_ SiA 2TE 27857804	PARTICLE DISTRIBUTIONS (NUMBER/M**3-M4)	LAPER ARIA
4516 131	J. 02 MC E.	LATERNAL S	15 15 IC : 27°C	1 X 2 3 1
	1941 E79-		PARTICLE	

S1.25

こ するち ロット てき ひり しゅうりょう

92.IG		P (MR) 551.4	ALT (KM)	4.845	1	TEMP (C)	-10.5		F OSTBOINT	-32.5		145 (M/S)	173.4		NT (N/M <sup>2</sup> )			TOTALS		,
# 2N 22 JAM 7		28, C.fo	•	;	•	• ث	;	;	.:	•	3.	ڻ. ن	;		.:	• •	•		۲.	
AY TEST BY 1 512 22 15 78 05 4 10 00 48 5 7	PLE	SIZL (MJ)	4,4	2 49	116	1541	153	1835	2132	6242	2726	3023	132.	3617	3914	+211	457E			
657C [CINS SPRAY TEST BY AFFI 3N 23 JAM 7, I 5 50MD A NEARL STAFFEDS. 2E 3[554[34]AU (NUMBER/M**)	BACKSKOJNO SAMPLE	31043	;	;	;		•	3.			;	•		:	,	;				٠,
1647 E79-3" DN 23 JAN 7 1557 BY AFSL 1647 E79-3" DN 23 JAN 7 1 15.5JND AVER 18/12/16/15/14/13/10/10/16/13/H003-H4) 24715/E S122 7/5/13/11/10/10/H8:2/H003-H4)	BAC (S	\$12; (43)	?	ř	20	36	2	, , ,	2+1	1 51	1.8	177	4	7.1	23.	28,	.; ?			
FLIGHT E79-J* DN 23 JAM 7-2 INTEATA STACTIVE PARTICLE STEE 715FLAUTHN		SCATTES >403E	•		.,	;	.•					•		;	;		;		0.	,
		S12E (MJ)	VI	3	۰,0	'n	;	1.2		0	1.9	3	22	7,	, i	5.3	3		C K	C C
21N5		P (MB) 551.3	ALT (KM)	4.838		TEMP (C)	-10.5		FROSTPOTNI	422-		13.5 (8/5)	125.1		NT (N/M3)	6.3		TOTALS	•	٥
		PRECIP	•	٠.	•				•	•, ·					: ;	: •	•		;	
JIY3 SKRAY TEST BY AF3L JAN 79 1 SEDONO AVEN SEARTINEZYSTSBW KR9UTINS (NUMBER/M**3-M*)	PL:	SIZE	đi đ	2+0	346	1241	1538	1 4 4	2117	26.9	3776	3123	332.	3617	3414	421+	4518			
	BACKSROUND SAMPLE	7,0d2 P 95	<u>.</u>		;	: :		•	•	: .:	: -	; ;	: ;				;		,.	ر ۽
A 7516 A 10 1 279-13 34 C 14162464 1436 143 1131 143	34343	3. 25	,	(M)	ŠČ	8	1.									. 6				
A 0110 A 0110 L A 10 110 L A 10 110 L A 10 110 L		SCATTE2 P2035	:	د .	;	; ;		•	•	, ,		•				; ;	. 1		3.	rs

| 15=12 | 15146 JPRAF | 15ST BY AF5L | 1564T 579-72 JV 2, DVN 79 | 1 52CJVD AV.KASIN5 | 1 54CJVD AV.KASIN5 | 1 54C

345 C+2,2,310 SAMPL.

16-15 | 15-15 SPRAY TEST BY RESIDENCE | 15-15 NO. 20 JAN 79 | 15-15 NO. 15-1 343 (5330) 43 SAMPLE

F:057201NT TOTALS 164F (C) -10.5 145 (4/5) 123.3 4.846 NT (N/H3) ((F) うを言えならららままます。 いずののしないののこのするので はままままなであるとなっている。 504F1EP P3.33E TOTALS F. 05TP01NT -32.5 TEMP (C) -10.5 145 (M/S) 124.4 NT (N/H3) 111 (KM) 254FF6P Px33. 6.700,101,11,11,110

ATTEN TOLING SPRAY FEST BY AFGL

FLIGAT E79= 3 34 2 JAN 74 1 SEJOND AVERAGINS

		P (MB) 558.9	ALT (KH)	4.852		TEMP (C)	-10.6		FINSTPOLIAT	3 62	6.75		145 (M/S)	122.1		NT (M/M4)		•		101413		3
		PROSE	,;	:			•			•	•	•		•	.;		:	:	•		•	n
231371130 231371130 3 (NJYBER)	PLE	SIZE (4U)	704	647	716	1241	1538	1815	24 #2	26.12	6247	2726	3023	3325	3617		* 74.	117	4578			
JAN 79 L STARTEN GATEUTION	342K540J43 SAMPLE	31.030		;					:	•	,:	;	.;	•			:	•	•		:	
141_344 141_344 15 512 31a	3770	51.2E	;	<b>P</b> :		35	1.3	. `		<b>3</b>	15.	131		22.		: :	9	•	33,			
FLG4T EY9-5 3N -2 L DAN TO SEE SECOND WEST INT A SECOND WEST A SECOND WEST A SECOND WEST AND SECOND TO SECOND SECO		SCATTER PRINTER		; ;			•	•	•	•	.;	;				•	•		;		.;	ບ
		S12. (HU)	`			) T	• :	3 :		<u>.</u>	9.	F.1		: `	۱,	•	20	23	7,		3	4.00
υ 2 ΙΙ		P (HB) 551.1	AT CKM1			(L) 01-1		C*N*		FROSTPOINT	-32,5		116 /8/61	• 000			NT (N/H3)	0.0		STATCT	0.	ی
23 JAN 74 1 SECOND AVERASINS 23 JAN 74 1 SECOND AVERASINS 15 T 10 J 1 T 10 S 1 T 10		PRECIP PROSE			•	• •	•	•	•	•			: .	•	•, •	•			•		•	
1 SEC 231571634 5 (NUMBER/	). E	112E	717	7 3		* .	1421	1536	.635	2134	242	2726		200	3356	201	3314	+211	4538			
23 JAN 74 1 SEC EVAL STARTIFERSSFREST LISTRESTINS (NUMBER) TYPE: ARIN	BACKSPOUND SAMPLE	360 to		: -	:	• ,	:	;	•	;	_		:	• ,	:	:		•				•
NC 5248 3	3434	517.	;	3	•	2:	26	. <u>.</u>	2.34	7.42		: :		1 :	7	74.	29	100	16.			
FLIGHT EYG-15 DA		SCATTE? P203E		;	;	. ق	;	;	•	;			:	•	:	;	•			;		, :
		SI 25 (UI)		N.	• •	۰ م	•	97	77	9	-			3	77	*	,	<b>*</b>		:	-	#.J. 3

AFFID 12T4G SPRAY TEST BY AFSL 1 SLOUND AVERAGENS INTERAL SEATINGSSTATE PARTIDLE SIZE ISSENDITONS (NUMBERNAMS H4)

FIGHT ETM-, 3 JH 2) JOH 75 TO TEST BY AFGL 1 SECOND AVERALN-INI. "VL. SARTIE2" STALL PARTICLE SIZE JISTRAJICMS (NUMBEN/MOSS-MA) I YPET RAIN

TOTALS F202TP0INT ALT (KH) 1E40 (C) -10.6 TAS (M/S) 121.3 NT (N/M3) PR\_CID. PRJ9E 3836620J.O SAMPLE 34.3E .17. (4.)) JCATTER Pc03c F. OSTPOINT -32.5 TOTALS 145 (H/S) 122.6 TEMP (C) -10.5 NT (N/H3) 4LT (KH) PRECIP PROGE BACKLYOUND SAMPLE 31.33 21.3E 27.22 (1.5) SCATTEP P 233E 100 100 00 100 10

the second of the second secon

ATTIS COING SPRAY TEST BY AFGL	LIGHT E74-13 ON 20 JAN 7. 1 SECOND AVERAGING	147; 244_ 514210+23857812*	PARTICLE SIFE DISTRIBUTIONS (NUMBER/MEES-H4)	ZIN SIGN

or is		P (MB) 551.1	ALT (KH)		TEME (*)	100	9.01.	14100130 2	4 64	0.7.	13/11/ 341	197E) BY	161.		12 M/M / 12	e.	20141.0		ر
TEST BY AFSL 1 SCOMD AVERAGING 18711.* (MUSER/M**3-M1)		PROSE		• •	•	•	;.	•	•	•	•.,	٠.	•	.;	•	•	:	:	•
F 75 S	,re	SIZ:	ę	7 40	7 7 6	17.47	. 553	6501	× 7 7 7	6747	2725	3023		197	3914	+21:	4516		
PEEGAT STA-3" ON OL LOING SPRAY TEST BE ACOOMD A LECOMD A	3AJKSKOJND SA4PLE	3,045		;	:	:	<b>.•</b> :	•	•	.:	:	•	:	;	:		•	, :	
10 32 15 1 PE 24 I NC 4 C+	34.54	17 N)	ř	;	3	32	.;	31	•	121	191				29.	.6.	33.		
FLEGAT E79 PARTICLE		SCATTE:	.•	;		:	•	:.	•	:	ċ	•	;	•			;		
		27 12 (MM)	~	٠	.0	6	11	2	3.	.c	~	,;	23	*.	23.	, 4,		9	£5.3
9N I 91		P (MB) 551.0	ALT (KM)	4.850		TEMP (C)	-10.6		FOOSTPOINT	-32.6		TAS (M/S)	1c1.7		NT CRIMA	0,0		TOTALS	;
Y AFGL SOND AVERA /MRF3~H4)		PR: CIP PROBE		;	<i>.</i> •	•	;		ئ.	.•	•	:	•	•		.0	•	e	•
1V TEST 8 1 55 13 05 74 12* 13 (NUMBER	¥,	SIZE	4	647	746	1241	153.	1835	2132	2429	2726	3023	3326	161/	101	4214	4516		
477; ICING SPRAY TEST BY AFGL IS41 E74-3 ON 29 JAN 7: 1 552300 AVERAGING IA1.RAA, STATT#99857812* PARTICLE SIF, JASTROUTING (MUNBER/N#93-H4) IT72. ARIN	BALKESOUND SAMPLE	2,000 23,35					•	;	;						: -	: ;	•	,	, ,
FLIGHT ETS-13 ON 2 PLIGHT ETS-13 ON 2 ANTIGUE SETS AT	6	,12. (4.)		P)	0	82	) . i	126	. •	191	1.91	211	0	2+1			3.		
AT EZA		۵.,																	•
7.15		SCATTE?		; ;							,	1	;	;	,	•			;

	P (#8) 558.3	ALT (KM)	TEMP (C)		FOOSTPOINT P-T2.6	TAS (M/S)	161.5 MT (M/43)	0.0	TOTALS 6.
	98024 P208	ن.:.ن	<b>.</b>	• 6	•••				• : :
: <u>'</u>	1215	† h	1244	1536	2132	3123	3326	100	
STATE OFFICE STATE	5,003 3,39	44	::	٠.:	;;	;;		::-	: :
, f	777. (43)	219	- 1 21 - 2 21	271	151	2,2			12
-	SCAT1ER ><33E	: :	; ;	;;		.;	;;	<b>.</b>	
	(AD)	Ŋi ₄‡	. <b>a</b> .s	12.	3 4	22	27	9 :S :	יאָני פֿי דר אַני
	P (M9) 551.1	ALT (KH)	1EMP (3)	-10.6	F 2 OSTPOTNT	14S (M/S)	121.6	0.0	TOTALS
	PRECIP PROBE	• •				:::	•••		; ;
۲	SIZE (#J)	4749	94.4	1538	21.52	2726	3617	5914	
COSTAND SAMPLE	3_300 2.386	6.5	<b>:</b> :	.: 4		:::	-:	<u>.</u> :.	
3176	312E (43)	m m	.e e	22	13 6	12.	221 2+1		
	SCATIES Pause	.;;	.; ;				<b>;</b> ;		
	S. Z. 2 ( MU)	۰. ۰	10 m	37	4 # 4	2 2	24	3.5	a 5

AF-TO TOTAS SPRAY TEST BY AFSL	FLIGHT 279-13 JA 2, JRM 73 . 1 SECOND AVERAGINS	4F.24A_ SIA2T:#23157115#	PARTICLE SIZE JIST (1917IONS (NUMBER/N##3+N4)	TYDER RAIN
A101 01-46	FLIGHT 279-13 JA 21 JR	TATERUR ST	PARTICLE SIZE JIST (19.	15c41

AFFIC ISING SPRAV TEST BY AFSL FLISHT E79-13 Jy 20 JAN 79 1 SECOND AVERAGINS Internations State 2 1557113 Perfect Size Distributions (Numberlynessmy)

<u> </u>	TYSE SAIN						-	IYSE 1 ZAIN			
10.63	TIGHTS CNCCESCRE						3436	BASKGROUND SAMPLE	#		
1743) 221%	360% 2000	512r (40)	PRE31P	P (M3) 551.3	512E (LM)	SCATTER P<09E	3, ZE (RJ)	C. 343	SIZE	PRECIP PROBE	p (#8) 551.3
,	,	404		ALT (KH)	^1	.0	23		7 0 7	•0	ALT (KM)
۰,۰	; ;	249		948.4		<b>ن</b>			2 99	ŗ.	4.846
		3			.0		70	;	346	·•;	
^		241		TEMP (C)	•	ċ	82	;	1241	•	(C) dk3
, ,		9	: ;	-10.7	07	;	25.1	;	1538	;	-16.7
. ^		3.5	;		2	.:	77.	;	1835	•	
٠.		134	•	FOOSTPOINT		:	143		2132	.0	TWIDGISOC J
		624	ئ :	-32.6	91		151	•	5459	•	-35.6
١ .		726	•		£1	:	131	:	2726	•	
		.23		1 AS (M/S)	۲,	;	17:	;	3.23		14S (M/S)
	, m	325		121.5	22	;	122	:	332.	•	122.0
	**	61.7	•		*	;	2+1		191	:	
	, ř.	,	: ;	NT (N/H3)	· î	;	25.	•	3314	;	NT (N/HZ)
		4211	•	٥.,	\$	;	363	;	421.	;	ς;
,	3.0	518	. ,		3	;		••	£ 20 cm	ئ	
				101ALS							T014L
	1.			0.	S	•				•	ċ
				U	MEJ C	0		9		9	•

1=17 [CLNs > PROF [LST BY AFSL 11.09 [2] 18 79 [ SELON] AVERAGINS 11.08 | 11.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12.08 | 12

> 57 77 (3E)

TOTALS F.0STP01NT -32.6 ALT (KM) 4.845 1 ENP (C) 14S (M/S) 121.6 NT (N/H3) SACKED IND SAFPLE 36000 611661666666 312k E. CHARLES DIMINISTER BRICH SCHENCE CONTROL MINISTER STORMERS SCATTER 2273E F.051F01MT -32.6 TOTALS TEMP (C) -10.8 145 (H/S) 122.0 NT (N/M3) P (MA) ALT (KM) SIZE (49) 3., CSS)UND SAYPLE -----317. SCATIE: 

" ME 4864 115 "

AFFEL TOLNG SPRAY TEST BY AFGL	1647 279-13 34 21 JAN 79 . 1 SECOND AVERAGINS	LATERAR STARTINGS 1971204	(FI - 1 ST 41 BUTIONS (NUMBER/N++ 3-M4)	
11	12	314	151	L
i.	ń.	7	:215	
	1 : 79		TICLE	
	5		A.	

The second of th

		(HB) a	251.4	(H)	S + 6	•	9	۲.,		INIO.	-32.7		1,S)	121.5		/H3)	0.0		TOTALS		د
SING		۵	č.	ALT (KH)	j	,	LENP (C)	7		F COSTPOR	ï		TAS (M/S)	11		NT (N/H3)			-	-	
OND AVERA		PRECIP	PROPE	•		•	.;	;	.:	.;	;	.3		•	<b>.</b>	•	.;	÷.		;	•
1 5 5 3 1 5 7 1 2 5 7	4	7215	€	4.04	V 40	346	1541	1538	1635	2135	6242	3772	302	3321	3517	3914	4211	453c			
IST E79-J3 DA 20 JAN 79 I SECONO AVERAGING INTERNATIONS (MUMBER/Mex3-VV) TYPE: RAIN	BACKGROUND SAMPLE	c.ou	P. 182	•		;	٦,	<b>.</b>	;	e.	•	•	٠,	:	•		.;	;		;	~
LAS ON INTERVISED INTERV	BACK	3 ( Z i	33	~	P.,	2¢	82	77.1	27:	.1 .# 1	191	191	17.0	2.2	7.0	255	7 3 6	, G.			
FLISHT E79-13 ON 20 JAN 79 INTERNAL STARTION PARTICLE SIZE DISTRIBUTION THESE RAIN		SCATTER	9₹33€					•	•		•	٠.		: ;	;	: :					c)
		3175	CHC)	^	• .•	٠,٠	•	11	71	9.4		7.	53	2	2.		. <b></b>	: 2		S I	ME.0 D
SN 15		(MB) a	551.3	At T PEN	948.4		TEMP (C)	-10.7		FOOSTBOINT	-32.7	į	TAS (M/S)	122.1		CHANN IN			Thiais	•	
30ND AVERA		PRECIP	PROPE	ė					: :		:				5	; •			:	•	^
1 SE 31 SE 3	<u> </u>	3778	ŝ	4	, i	. 4 9 0	1241	1538	1.4.5	21.37	6010	2776	4004	3 42	1617	7 +02	121	1 .	,		
10 21 JAN 79 · 1 SCOND AVERAGINS 10 21 JAN 79 · 1 SCOND AVERAGINS 10 12 SCOND AVERAGINS 2. LIST 18 UTLUNS (NUMBER/New 3-H4) (1952 ARIN	SROJNO SAMPLE	6.044	360.4		• :	: -	ئے:	: =	; ,:			: ,:	: -			: -	•	,	•		•
- ~ ~	3A5 (	. (7:	3	ć	9 1	. ?	4	1 .	1 (	, (\ 	1 4 4						1 . 1 ^				
FLIGHT 279-L3 AVERA AVER		STATES	360sc		•						<b>.</b>	•	:	•	•	•	•	<b>.</b>	•		-
		7.	Ş		<b>J</b> .	• .0	١.	` _	: :	4 -	<b>P</b> 16	4 -	3 -	36	1 0			) <u>-</u>	3	2	#c) 0

AFFID LOLNS SPRAY TEST BY AFFIL LUCHT 279-33 ON 12 UAN 79 1 SECOND AVERSING LATERAL STRIPSTS7821\* PARTICLE SIZE 1874.83/11/ONS (NUMBER/H\*\*3-HY)

	P (MB)	ALT (KM) 4.846	TEMP (C)	FOOSTPOINT	-32.7	121.5	0.43) 0.0	1014LS 0. 0
	24.101P	<b>.</b>	e e e ≘ (∵ )		<b>;</b>	:::		•
770	(96)	3 to 1	944 1241 1538	1335	2429	3324	3914 4211	
31.454JUND SAIDLE	260 a	::		:::				: :
33.4	\$1.65	A 7	2000	27.3	1001			•
	SCATTER P<33E	.:.:	÷.16	:::		• • •	•••	• • • •
	317: (MJ)	A1 +	0 0 5	144	22	253	22 E	LNC MED D
	P (MB) 551+3	ALT (KH)	TEMP (C)	FPOSTPOINT	-32.7	14S (H/S) 122.4	0.0	TOTALS G.
	PR_51P	::			* • #111	•••	:::	; ;
<b>5</b>	\$12E (MJ)	47.	1241	1335	2+29	382.	3914	200
CSSDAN SAMPLE	5,030 9,038	3.	- - -				:::	
34.2KS	7715	4 9 61 #	2 4 5	N (1) 61 2 (1) 1	12.5	7 4 5 7 8 5		<u>.</u>
	SCATTER P33E		<b>.</b>	:::	::;	: : :		
	\$125 (MU)	<b>~</b> 1+	·0 ·0 ·	3712	95	202	. <del>2</del> 2.	LING 7

Contract and and

AFFT COING SPRAY TEST BY AFEL	AN 79 1 SECOND AVERAGING	TA2T 1 +23157 1 2+ +	DARTICLE SIZ: DISTRIBUTIONS (NUMBER/H443-H4)	AIA
S SPRAY TEST	1 29 T	12119315712	JELONS (NUMB	RAIN
M101 C1=st	13 34 23 JA	LATERAL, ST.	112. 315FR19.	TY3E8
	.1347 £79-0		PARTICLE S	

ASING		P (MB)	551.2	ALT (KM)	4.847		TEMP (C)	-10.7		F - OSTPOINT	2.7		TAS (M/S)	141.8		NT (N/M3)	0.0		TOTALS		
ST BY AFSL 1 SECOND AVERAGING 125+ MBERZM+F3-41)		off. CIP	P3.385	•	•	•	•,	ė	;	• 0	•	•	:		ę,		.:	•		• 3	~
17 TEST B 1 SE 23 15 78 25 4 1 (NUM BE 2	316	SIZE	Ę	7 [4	647	776	1241	153.	1.835	2134	2423	272€	3023	3325	3617	3914	4211	450			
AFFIC ICING SPRAV TEST BY AFSL FLISHT E79-03 1N 23 JAN 79 1 SECOND AVER INTERNAL STARTIS-23557825* PARTICLE SIZE DISTRES-1110NS (NUMBER/M**8-191)	SACKGROUND SAMPLE	31003	360%	.:	•	-				•:		;		-:		;	;	.:			G
AFETC LINTER SICE DI	3AC.	7715	Ş	~;	E T	62	36	101	122		101	1.91	2,1	,	, , 1	9	36.	";			
FLISHT E79 PARTICLE		SCATTER	PR19⊾	7.312+06	ن		•	•	;			;	;	•	;	• •	:	;		9.94E-08	
		SIZE	Ű.	۸,	٠	'n	mì	10	^;	1.	15	٢,	5	22	÷2	26	23	3,		) 1	C C⁻₩
OING .		P (MB)	551.3	ALT (KM)	4.846		TEMP (C)	2.01-		F + OSTPOINT	-32.7		14S (M/S)	121.6		NT (N/H3)	0.0		TOTAL		0
T AFSL COND AVERAGING TM++3-M4)		PRECIP P (MR)		D. ALT (KM)	0. 4.846	• (3	D. TEMP (C)	2.07-	•0	THEOSTPOINT	7.25-7	•	14S (M/S)	121.6	•0	NT (N/M3)	0.0	.0	TOTALS	;	
IV TEST BY AFIL 1 SECOND AVERAGING 13157124 1 (NUMBER/M403-M4)	11:		<b>9</b> 4086	D. ALI	•0	6 (3	D. TEH		•		•	•	145	•	;	:	\$211 D. 0.0	.0	TOTALS	••	۰
) [GING SPRAY TEST BY AFEL 2) JAN 79 TEST BY SECOND AVERAGING 48, STATE-82157824 5.SERSHIND (NUMBER/M**3-M*)	CSCJVD SAMPLE	PRECIP	(MJ) P309E	D. ALI	•0	6 (3	D. TEH		•		•	•	145	•	;	:	.0	.0	TOTALS		0
AFFT COLMG SPRAY TEST BY AFFL 1-03 JV 23 JAN 79 I SECOND AVERAGING 1-1524A, STATA-P235712A* 1 SIZ. JISRRJATIONS (NUMBER/M**3-M*) 1 YPE: AIN	SALCSSOLVD SAMPLE	G_DJJ SIZE PRECIP	(MJ) P309E	D. ALI	•0	6 (3	D. TEH		•	1, 2132 :-	2,629	2726 5.	3023 145	332	3. 3617 0.	3. 3314	.0	3. 4518 O.		) O.	0 (
AFFT COING SPRAY TEST BY AFFL LATGENG 30 23 JAN 79 I SECOND AVERAGING LATER AFFR AFF AFF AFF AFF AFF AFF AFF AFF A	Tlakes Onfocose	SIZE G_DJJ SIZE PRECIP	3:08E (M3) P308E	D. ALI	•0	6 (3	D. TEH		•	1, 2132 :-	2,629	2726 5.	3023 145	221 Je 332 .	541 3. 3617 0.	3. 3314	3. \$211 0.	3. 4518 O.		.,	0 0

AFFLO LOUGE SPRAY TOST BY AFOL	FLIGHT E79413 DV 21 JAN 7. I SECOND AVERAGING LAFFALA STARTERSESSE	PARTICLE SETE SERVICES (NUMBERATORS)
	FLIG4T E7	PARTICLE

AFFIC FLIGHT EXT BY AFFIC TO 10 JAN 74 1 SECOND AVERAING INTERFFERENCE TO 10 JAN 74 1 SECOND AVERAING THE SAFATH CASTARTH CASTART

	551.2	ALT (KM)	F 30 5 7		TEMP (C)	-10.7		FKOSTPOINT	-12.7		TAS (H/S)	122.8		NT (N/H3)	0.0		TOTALS		•
	78:510 P3096	.0				,		. 6				9.	9.						=
	\$12° (40)	<b>†</b> 0 <b>†</b>	7 40	776	1241	1538	1935	2132	545	2726	3,23	3320	3017	3914	4241	45.8			
31, 4520 IND SA 42L	2LJ/13 2x3B:	3.	;	.,		;	.:	;		:	:	;	;	;	:	-		;	-
31.1	:21S:	2.5		95	36	2 : 1	125	74.1	101	191	1,5	221		25.	296				
	SCALTER 2<33ë	;	;	:	•	٠,	;	;	•	÷	;	.;		•	;				-3
	5,2,2 (19)	NI.	•	'n	m	7	27	-	15	13	20	22	÷.2	92	5	'n		Ę	MEDO
	P (MR) 551.4	ALT (KM)	4.845		EMP (3)	-10.7		F.OSTPOINT	-32.7		14S (H/S)	121.6		NT (N/M3)	0.0		TOTALS	•	0
	PRECIP	.;		ن د		;	:	•	.0		•		•	•	•	•		•	
7	721S (LM)	4)4	2 + 9	116	1541	1534	1835	2132	2429	2726	3023	3320	3617	3914	4211	45.8			
31.4520JND SAMPL	6,033	;			•				•			•						:	-
e e	\$12; (40)	۲.	•	20	3.5	7,7	77		151	191	40.5	221		7.5	130	300			
	SCATTER PROBE	;	;;	: ::	;;			; ;	: ;			: :	: ;		;. <b>;</b>		;		-
	S12.	•	• .•	٠.,	• ~	2	- 2	:		=	7	25	3	9	:	m		2	0 0

A COLOR OF THE SECTION OF THE SECTIO

FLIGHT E79-63 34 23 JAN 73 1 SECOND AVERAGING

FLIGHT E79-03 3N 20 JAN 70 I SEJONO AVERAGING FAIGHT E79-03 3N 20 JAN 70 I SEJONO AVERAGING FARTISLE SIZE INTERNAL STARING SHUM BER/H003-44) T72: RAIN
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		P (#8) 551.4	SET (KH)	4.845	TEMF (C)	-18.8	TWINGTSOCE	-32.7		122.5		NT (N/H3)	P • 6	TOTALS	:	.O. N. M.		551.5	SLT (KM)	4.843	4	-10.8		FROSTPOINT	-35.1	14S (4/S)	155.5		0.0	70101	7
INTERVAL START: *23157833* PARTICLE SIZE DISTRIBUTIONS (NUMBER/M**3-44) TTP:: RAIN		PRECIP PROSE	•	; ;	• •	• .	• •	; ;		• .		:	• .		:	(2015) 15145 SPRAY TEST BY AFSL 2447 279-35 DW - J JNW 7: 1 \$5.000 AVERAGING TWINGAL STREETH 2719 2719 319 PACTICLE STEE DILF (1311) NW (1414) WHUBERYHWS 3-44)		-Re31P P4386				•;	;,	· •	• •	د.	:	•	;. <b>·</b>	•;	•
23157133 16 (NU19E)	PLE	S12E (H)	;;	7 19 7 19	1241	1536	2132	245	2720	3163	3617	3914	4 2 t . 3			47 TEST 8 1 3- 27157131 5 (NUMBER	ء اج	\$12 <sub>6</sub>	4.04	240	7 7 7	1536	1335	2132	2726	3023	332.	191	4211	4536	
VAL STARTO	BASKGROUND SAMPLE	3F040	;	د. ئے	;;	÷:		::	:,	• •	::	:.	. :			(21) [5145 5P94V [55] BY AFEL 50 - JAN 7 15.20ND A VIEWAL 1871F 275F 810 72 [14341-275 814 FP2: 4AIN	STOKES CHECKENCE	5.0JJ	.:	;	;	::	;	• .:	::	.•		: :	; ;	:	;
INTERY SIZE DI	3436	32.12 32.12		#0 ∧ 10 +.	20	132	4 F.	Ċ	£ 7 .	4 6	4.	9.				TATE OF THE PARTY	33.45	\$173	23	₩) (	, ,	1,2	걸.	\(\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2	16	1,5	12.5	<b>4</b>	, •	3 6 .	
PARTICLE		SCATTER PROBE				• · ·	::	::		•		;	;;	و		17:5 FLLJ47 279-13 DW IMTER PARTICLE 1822 D		20477 Et 273c	:	ؿ	; ;	::	;		: :			• •	::	;	;
		312E (MU)	٥ı	.e .n	•	<b>1</b> 2	::	.4	en (	3 6	<b>.</b> .	,n e	g za	9	HEJ 3			SAZE	*1	• .	0 4	1,	27 -	- 1	11	2.5	ž.	• •	Σ.,	3,	LMC MED D
		P (#8) 251.3	ALT (KH)	6. 8 · 6	TEMP (C)	-10.7	F < OSTPOINT	-32.7	(5/7) 311	122.0		( F/H3)	•	TOTALS 0.	J	ž		r (48) 551.4	ALT (KM)	4.845	TEME (C)	-10.8	TENTENT	-32.7	•	TAS (M/S)	122.2	(N/HS)	0.0	TOTALS	.0
3-843												Z				<del></del>										¥		2			
į		PRECIP PROBE	•	•		٠, ۵			•	• •		2	• •	,	·••	7 AF3L .ONJ AV-RASI .uees-N4)		3602d d10°bd	;		•			•			• •			•	
5157123 CNUMBER/NOT	٠	SIZE PRECIP	9	54.7 O	_	1538 C.		cı	C)		•0	•	4508 54	,	·**	18 7257 BY 4F3L 1 3257829° 5 (NUMPER/MOSS-M4)	ار. ا	3EC%d (NN) 615°56 3ZIS	·		<b>:</b> . •		•	•		ė,		; ;			
JAL STARTIMESIS7129*  Striguildns inunger/me+  Type: Rain	(G20JvD SAMPLE		9	o · ·	1241			cı	C)		•0	•				2 IGING SPRAY ISST 9Y AFSL -1 JAN 7. 22001 HV.RATIN, 18. CHITEPRESTESS* 27.RAISEDNS (MUMPERVESSH4) 1901 ARIN	CS43U43 SAMPLE		·	C+0	<b>:</b> . •	: •.,	•	•		ė,		; ;	• • • •		· · · · · · · · · · · · · · · · · · ·
ATERAR STATIOSSISTISM EDIZ, JISTRIGUTIONS (NUMBER/MOTE DIZ,	9A2(G20JvD SAMPLE	S12E (43)	9 989	0. 27.4 1. 24.4	3. 12+1	40 Mg 44	25.42	0 5242	2726	0000	3. 3017 0.	791	4508		e e	3-1/2 IDING SPRAY [25] BY AFIL 8-1/2 in .u. Jun 7 2 2157829 1472-14 .u. 24.1762157829 5.122 Disktabling (404952/4005-84)	34.KS.JUVJ SAMPLE	SIZE (MU)	3.4	J. 047 J	1101	150	3. 244. 0. E	2429	2726 6.	3023 0.	3320	3955	• • • •		9.
ANTERAL STARTIONS (MUMBER/MOPS-MA) TYPE: AAIN		3128 CL0U2 3-335 CMU3	9 989	0. 27.4 1. 24.4	3. 12+1	1. 1538	2642	151 2425 0	2726 5	0000	24: 3. 3617 0.	101	4508	,		#15.7 EPG47 EST 97 AF1L F.1541 E79-18 14 12 JAN 77 18 21.53015 AV.RACI E4fe24 2 18 27.537829* PARILIC SIZE DISEALUE WINDER/WOOS-W4)	34.<5.2047 544PL:	SECTOR SIZE	3.4	J. 047 J		150	10 Mag 20	2429	2726 6.	2.1 3023 0.	3320	35 3914 (.	45.5	200 75	6

	u.			
	Ş			
IV AFSL	COND AVERAGIO		(/M443-M4)	
APPLIATE SPOAT TEST BY AFGL	FIGHT -79-13 JA 23 JAN 74 1 SCOND AVERAGINS	2114231571324	SALTICLE SIZE DISFLEGUTIONS (NUMBER/MAPS-MM)	714
97 171 71 25	MAL CS VC "	AT WA. TYI	17: 3157 4193	C COLON
	1247 :79-		PARTICLE S	

e e e e e e e e e e e e e e e e e e e		P (NB) 551.6	ALT (KM)	4.842		TEMP (C)	-10.8		F. OSTPOINT	-32.1		14S (M/S)	122.2		NT CHARGO	٥٠)		TOTALS		•
TEST BY AFGL 1 SECOND AVERAGINS 1577330 (NUM BE 2/M**3-44)		PRECIP PR39E	9		•			•	•	:	•	:	:	6.		•	•		;	
1	7.E	SIZE	3	13	446	1441	153c	1835	2132	5 4 5 5	2726	3673	332	3017	3916	4211	4533			
#FIGHT EP9-33 DM E3 JAM 79 1 SECOND A 	BASKGROUND SAMPLE	GL3J3 PR33:	·		;			-		:	;		:	;		,•	;			~
MFFFF 1-13 DN 141 E41 1512 E 31	840	312.	5	ŗ	65	35	1:1	122	291	157	181	707	1::	2+1	256	. 6 C	36.			
FLIGHT E79		\$C&TTE? \$233£	.3	•	÷	;		;	j	<u>.</u>	:	<b>,</b>	;	.;		•			•	•
		17 (CH)	•	*	۰.۰	•	7.	~;	:	9.	₹,	;	5	*	.52	~			, MC	H.J. 3
SMS		P (M8) 551.5	ALT (KH)	£.843		1E4P (C)	-10.6		FPOSTFUINT	-32.7		TAS (M/S)	122.6		NI (N/H3)	0 13		TOTALS		u
CING SPRAY TEST BY AFGL JAN 7-1 1 SECOND AVERAGINS TRAZITEZSUSTREE CLEUTIONS (MUNDERATHR)		FRECIP P-439E		;	•			: ;		; ;			; ;		; ;			:		0
1 551 BY 1 551 3157132* CMU4832	*	\$12E	707	0.40	346	1241	1334	44.5	2117	6270	22.5	802.8	3 3 6	2617	4 1 7	1211	4	•		
18 12 10146 SPRAY TEST BY AFGL. 34 22 JAN 74 1 \$-COND ANER VELYME, TRATIFERINGS STATE PEL STST CALLITIONS (MUMBER/MRW)+H4) FYSE ARM	3435580JVD SAMPLE	3,033 3,038	-		: :			: -	: -	: -	: -	: ,	•	: .	• -	: -	: .	;	<u>ئ</u>	;
16 1518 10 1518 10 1518	3435	77.15	,						d :	*	TC :		100	4 -	• ;	0 1	76.	,		
12-12-12-12-12-12-12-12-12-12-12-12-12-1		SCATTER P433E		. 6	:	•, •	•	: .	•	;	•	;	:	; ,	•	;	:.	•		;
		37.2E			• "	۰.	۰,	٠,			۰.		٠.	٠.	٠,	0	•	;		و د د د د

FLISAT E79-'3 ON 2, OAM 79 1 SIGNO AVERSING 1412.44 STATICLESTING (412.44 STATICLESTING (414.637.10)

	P (MB) 551.6	ALT (KM)	2,8,,		TEMP (C)	-10.8		FROSTPOINT	-32.8		TAS (M/S)	122.2		NT (N/H3)	:		TOTALS	-	•
	94,010 94054	0.	ė		·•		.0	•	;				•					;	•
٦,	SIZE (MU)	101	647	3 3 5	1541	1538	1935	2132	5459	2726	3023	3320	3517	7761	4211	4538			
SACKERDIND SAMPLE	SL0J0	3.	;	;	;	;			.;			:	;		:			;	•
3434	\$, 25. (41)	23	\ <b>*</b>	7	3.5		4	1	101	1.51	102	221	.4.5	25,	3.0.2	366			
	>CATTER >₹33£	;	•	3	:	;	;	.;				.;	;	;	•	•		;	•
	51.55 (36)	•1	•	•		1,	<u>.</u>	4	£5	13	2	22	\$2	97	?	36		) L	O Car
	P (HB) 551.2	ALT (KH)	4.847		TEMP (C)	-10.8		F. OSTPOINT	-32.7		TAS (H/S)	122.5		NT (N/H3)	0.3		TOTALS	:	-
	PR_01P	•	٠.			: :			: :			; ;			•			•	-
,	\$12E	404	6.7	, 40	1241	1538		21.35	242	2726	, M	3326	1617	3914	421	6.508			
3445 C.U(54)	3, 4/10 31.03E	•	• :		;	•	;	•	• .	•	: -	• :			; ;		;		3
> 7 9 7	512. 1438	,				, ,		. P		7 .			•	4 .	1 7		•		
	SCAFTER P433E		7 . 4 . 7		;	•	:.	:	•	; .	<b>.</b>	<b>:</b> .	•	•	:	; .	;	6.245-B7	4
	:: ar	•		٠.	n -	٠,	31	::	<u>.</u>	9	2:	;;				Ġ,	;	ç	9

- SOVERENCE

	1 SECOND AVERAGINS		_	
بر	1347 E79475 DW 20 JAN 79 1 SECOND AVER		ř	
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ē	3	33.	<i>?</i>	
7:5	-	578	3	
8 ×		123	Ÿ	
š	7.3	7.1.2	31	7
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2	20	=	Š	1427
1:1	ž	2	Ĉ,	
1	?	-	7.1.	
	-67		E	
	=		12	
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		P (MB) 551.7	ALT (KM)	4.840		TEMP (C)	-10.9		F - OSTPOI WT	-12.9		18/W) SV!	122.3		NT (N/M3)	6.3		TOTALS		-
71 33 4 71 33 4 71 33 4 71 32 4 71 5 71 5 71 5 71 5 71 5 71 5 71 5 71 5		JR_CIP P 2 J 3 £	•	.:	•		:	•	ئ	.•	.;	• 5	•,	.;	•		÷		;	•
8 3E	PLF	SI ZE (40)	3	2 • 5	776	124.	153:	1835	2112	242	2726	3023	132.	3617	3914	+21.	. (2)			
	3A2K543JND SAMPLE	34348		;	-	3.	•	;		•	:	).	;	<i>:</i>	:	. <b>:</b>	:		;	.,
AL STA	34265	1218	.,	(M)	3.5	9.5	3.5	671	162	161	191	2 3 3		.4 * .	36.	) <b>\$</b> ;	,			
Selfice of the Country of the Countr		50ATTE9 2433c				:		<u>.</u>	:	:	;			:		;			•	,
		54.2. (PH)	^	•		• •	-2	^;	:	Ç.T	•		22	<b>*</b> 2	25	, C			Ç.	<b>4</b> c) 3
c NT		P (#8) 551.7	A: T (K4)	0.50		(C)	-16.8		# 20STPOINT	-32.9		13S (M/S)	122.2		NT (N/HT)	0.0		TOTALS	•	J
0 Jan 79 1 1 2E.0MU AV.KROLNU 1 1 2 1 2 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2		28074 41034			:.'	٠.	: :					: •	•	;		د.:	•		;	•
1 3 E 22 15 7 8 33 ° . 1 (NUM B. 27	<u>:</u>	3778	1	7 **	777	1241	1538	1335	21.3	2624	2726	3123	3321	36.7	3 3 2 4	+211	453.8			
20 JAN 79 1 SECOND AVIR AL STARTICZYSPROJO SIKLUTIONS (NUMBER/MONT) YPTI RAIY	GROUND SAMPL.	3. 33. 3. 33.	:	: .:	:	• •	; ;	: :		;		;				: ;		:	.:	ŗ
NC -274 :	31766	37.15	,	; ;		. «						, ,				. 6				
FLIGHT EYG-TAN ZO INT.PHAL ANTLOCE STY. DIST		25AT ( ER 2433E		; _	; .	• .	• . <del>.</del>			:	: 2	:		; '	; ;		;	:	•	•
		17.15	•	•	٠.	•		: 2	; ;	, ,	D T	3 ^	: ?	) d		, «	,	;	CHI	1

9NI		۵.	17
		SIZE PRESTP (40) PRORE	٠
AY TOST 9 1 SE 2315781394 5 (NUMBER	<u>,</u>	SIZ. (40)	,,,
	-1424633J43 5847L_	31.04u	;
10 215 10 215 10 77	343.6	512.	
FLISHT E79		SCATTER PPOSE	53 76 6.
		\$1.25 (MH)	•
IIN.		р (ма) 551.7	4LT (K4)
] R & S			
7 AFSL 2042 AV		28,51P P3,386	•
Y TEST BY AFSL 1 5±50AJ AV 3157137* (NUMBEK/M****	٤	SIZ_ 38_51P	7 7 7
10,45 SPRAY TEST BY AFSE. 20, JAY 79	SRJ MO SAMPL.	SIZ	41.4
175, 2 TOLVS SPRAY TEST BY AFSE. 14.2.74. 2. 144 79. 14.2.744. 4. ATTHESSESTROP. 15.2.12.17.04. (MUMSEX/4007+4)	3426383310 SAMPL,		2. 414
175.2 FOLUS SPRAY TEST BY AFSL ELIGHT ETG-0. ON 'EL JAN 70 I SECOND AVERGIN. ELIECHA, ATTREBSTRITO PART.SLE SIZ' JISALLITIONA (NUMBER/M***+M4) FYDER RAIN	342552JVD SAMPL,	SIZ	717

P (M4) 551.9	LLT (KH)	4,639		TEMP (C)	6.91-		f < OSTPOINT	-32.B		TAS (M/S)	122.0		(SE/43) L7	e.0		TOTALS	:	
PR. 01P	•	.;	.;		.;	•			.,			;	.•	•	٠,		.;	•
S12: (40)	4,54	245	776	1241	1538	1535	2134	5429	2726	3.23	332.	3617	3914	4211	45º6			
EEU e	;	.;	-	•			:		;	-	•	:	:	;	•		<b>:</b>	0
512.	**	~; *	2,	3.2	2 .	(). )!	4.5	13,	111	4.:	155	•	77.	24.	364			
SCATTER 2203E	.;	;	•	•		:		•	:	;	•			,;	د.			0
\$1.25 (MU)	A1	.•	٠.		7	NI I		16	=	2.	č	3	26	3	33		) I	450 0
Р (мя) 551.7	ALT (KM)	0,8.7		TEMP (C)	-10.8		F OSIPOINT	-32.8		TAS (M/S)	122, 1		NT (N/H2)	6.3		TOTALS	•	•
<sup>5</sup> R_51P P₹386																		0
	;	,:	ئ	•	,	ئ		ď	Ġ	.;	•	;	j	;			;	
SIZ. (MJ)	4.4	0+7	364	1241	1538						3 12 6						;	
512. 5.03. (MJ)					_	1935	2132	545	2726	302 ≎		1917	391 ~	4211	4538		• • • • • • • • • • • • • • • • • • • •	•
	•		•			1935	2132	2, 2429	2726	302÷	3120	191	391.	1. 4211	3. 4538		• • • • • • • • • • • • • • • • • • • •	•
5LJU3 2.03c	:	• • • • • • • • • • • • • • • • • • • •	,, ,;		27.	1935	2132	5. 3. 2429	151 . 2726	302	3120	2+1 ** 3517	25, 3, 391.	235 30 4212	36. 3. 4538		• ,	

the Section of the second of the second

TEST BY AFSL	1 SECOND AVERAGING	571434	404 B. 4/H** 3-H4)	
ATT 12146 SPRAY TEST BY AFSL	97 NAU C3 NC 13-623 THEI	14. TOUR. STARTIMENTS 659 645 4	PARTICLE SIZE DISFREDITIONS I	NIV TOCAL

WIRASING H4)		P (MB)	ALT CKM	4.842		TERF (L)	-10.9		TNIOSTEOS	-32.4		TAS (M/S)	121.5		NT (N/H3)	0:0		STATCT	•	
1 BY AFGL . SEJJND AY 42° 18:2/N°•3-M		24.CIP			•		:	ď							: :	. 3	•		ئ	
1 SE 1 SE 231571420 3 (NU48ER	د و	321S	,	2 99	796	124.	1530	1.835	21.32	2425	2726	3,23	332	3517	1914	4211	45,0			
FILEST 179-13 ON 20 JOHN 1 ESCOND AVER 1 SECOND AV	BACKSEDUNG SAMPLE	36024	,		;		•	;	;	•		•	:			;	;		,;	_
14150 14150 14150 14150	340	5.2	م	***	6	35	: 12	122	. 2 - 1	101	181	7.7	:25:		306	23.	~ .,			
FLIS4T : 79 - 3441.GLE		SCATTE. PROB.			٠,		;	:	ئ		.,		;				•			
•	(FH)	``	•	٠,	•	;	21	1.	40	£.4	6.7	7.7	*	25	23	~;		SMI	C 2	
TING		P (MR) 551.6	ALT (K4)	4.842		.EMB (C)	6.11-		F-0STP0IAT	-32.4		115 (4/5)	141.7		NT (N/HT)			TOTALS	٥.	u
170 2744   1523N3 AVERAGING 174 29 1 2523N3 AVERAGING START #22857443		PRLOAP PROPE		;	;	.;	ق.	• • • • • • • • • • • • • • • • • • • •	.;	;	.;	•	;	<b>.</b> ',		 	.:			
1 55 7 643 4 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	:	(AL) (AD)	1 °	7 40	7 * 6	12+1	1538	1135	2132	5455	2726	3023	₹320	3617	4161	4211	45.8			
14. 2.44. 14. 7. 15. 01 F. 16. 16. 16. 16. 16. 16. 16. 16. 16. 16	BESCHOOLS SAFOLE	3.010		.;	:	;	;	•	:	•	;	:			•	:	.;		;	•
	34.5	3175	2)	•	'n	3.2	. •	-:	13+.4	151	1 3 1	11.7		* 1	ć	.9.	305			
FLIGHT E79-65 34 63 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	•	7.525.0	;	;	;	;	•	;	;	;		;	;	;	;		6.237	.4
					۰.	~	7	2	3	Ģ	53	20	27	*	.0	23	'n,		3	0

ATT.) IDIA-SPRAY TEST BY AFEL
FLEGHT L79-3 DN LD JAN 74 I SECHO AVERGINS
INTERAL STRIPESSISTRAS
PARTICLE S.(L. DISTRIBUTIONS (MAYBER/4003-M4)
IYD.E 4AIN

	<u>وا</u>	5>1.6	ALT CENT		249.4		TEMP (C)	-10.9		FROSTPOTME	-32.8		1 AS (M/S)	121.3		NT (N/M3)	0.0	•	TOTALS	-	
	P3. C19	P < 3 %	;		•	:		;				; ;				;	;	•		;	•
PL:	SIZL	(JK)	777		*	7*6	1241	1536	1335	21.34	5636	2726	3023	3320	1617	3914	4211	4518			
ELIGIALIO SAMPLE	C.e.r	≥.03:		: .	:	;	:							•	•			•		;	•
×:*	215	3		:	•	7,0	35	7.1	12	1+2	107	1 9 1	102	12.		20.	28.	30.			
	SCATTE.	243BE	;	:.	;		.;	و.		د :		٠,	:	, ,			;	:		;	3
	2115	(CH3)	•	•	•	·n	•	1,	2.1	:	3	13	~;	22	•	'n.	23	3,		CNC	HEO D
	(AR) o	551.7	3LT (KM)	0.10			TEMP (C)	-10.9		F OSTPOINT	-32.8		14S (4/S)	141.4		NT (N/H3)	0.0		TOTALS	•0	3
	dIO-ga	P-₹13£	•		• ,	:	.•	;	٠,	9.		•	ن.	;	<b>.</b> :	•	;			:	5
<u>ئ</u>	3176	?	404	j	5	16	1241	1538	1835	2132	5423	272€	3053	3320	3617	3914	1124	4538			
(307J'J SAMPI	0000	360.0	;	_	: .	•	;		:	•	,•	•	•	;	;	•	;	;		;	-
¥.`£	.512.	Ĵ	2.5		? ;	ò	3,5	2.1	72.1	2 +	, ,	191	7.7	22.	7 + 7	25.	9	ă.			
	SCATTER	36C>=	;		;	:	;	ف	:.	.;	:	د.	;	;	.:	.0	;	;			,
	315	Ē	1		•	.0	•	,,	4	:	<b>5</b> 4	cŧ	7	₹	<b>*</b>	32	۲,	~		3	75.

941:			
SEFET ETPELS SPRAY TEST BY AFGL. FLIGHT ETPELS SK STAGENSTAGE	141 : 244_ SIA4TI #23#5714+#	CHN-E-MIZIBONI SNCIDOTZISIC 1215 3	TIME TIME
FLISAT EP		PARTICL	

AFFIC [CING SPORM IEST BY AFGL
FLIGHT E79-3 3N 28 JAN 79 1 ELOMD AVERAGING
INT.ARL SIAA110-23157745\*
PARITCLE SIZE DISTRESSIONS (NUMBER/NO-8-M4)

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	P (MP) 551.6	41 (KM)	TE40 (C)	F-OSTPOT4T	4.25-	120.3	NT (N/M3)	131ALS 0.
	PP094	;;	• • (	:43	.;.;	្ញ• ,	<b>::</b> :	; ;
J.E	\$12°	17.	1241	1035	2429 2726	7325	391¢ 391¢ 421.	- 22
BASKSOJKO SAMPLE	32.033		<b>.</b>	· ; <i>;</i>	<i>:</i> .:	<b>:</b> .•	; ; ;	.: :
34.26	.275 (4.1)	27		0 (u .u	1.91	7 27		) P
	SCAFFER	 	•.•	::3		•	<b>.</b>	.: :
	312. (43)	¥	.~ <b>.</b> *	123	35		3 10 Tr	2 2 3 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
	6 (18) 551.5	ALT CKM)	1EMP (C)	6.01- EMEGETSCO	e * 2 -	145 (M/S)	( 1 ( M/M ) TA	TOTALS 0. 0
	PRECIP					; ; ;	<b>:</b> • • •	
7	SIZE	33	15.1	1538	2429	3,23	3617	100
STOJED SAMPLE			:::	<i>:</i> ;	::-	•		•
9436	\$1.ZE	6 4 6 4	10 60	323	7.55		1 (4 ) ; ( (4 ) (6 ) ( (4 ) ( (4 )	3.7 0.6 1.7
	>C4TTE2 P2336	7.33:445	;;;	<b>:</b> :	;;,	3;4	;;;	14.3:2.7
	12IC	~	• 10 @	22	# 40 f	273	12.25	12 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

STOCKS CHECKSYCE

	951.4	ALT (KM)	4.14.	1EMF (C)	-16.9		F = OSIPOI WI	25°8		(3/A) ST	128.4		MT (N/HE)	••		TOTALS		د
	24, 316 P338	٠	<b>.:</b> .	; ;	·.•	:	;	<u>:</u>	:	Ġ	•		;	<i>,</i> •	ċ		•	Þ
: 1 <sub>6</sub>	512-	101	2.0	1261	15.8	1115	2130	545	2726	3023	1320	191	3914	4211	4536			
STACES INTO SAMPLE	36	÷	;,			•	;	.;	.;		:	:		:				<b>.</b>
11.4	17.6	.;	<b>,</b> '			2:1	7 • 1	1 ÷ 1	: 31	7.7	152	.4	9.	36:				
	SCATTES 2333E		:	•				•	:	6	;	;			.,			
	\$125 (HJ)	^1	• .	۰ -	٦.	12	:	16	7.	ζ.	2		- 0		3		S L	160.0
	Р (MB) 351.5	ALT (KM)	4. Bt 3	TO GREE	-10.9		FOSTPOINT	-32.8		145 (4/5)	121.0		MT (N/MT)		•	TOTALS		c
	28cC1P			•	• •	: :		;,;	: :		;	•			; ;	:	•	•
ڙ	312E (MJ)	3	647	116	1241	1835	2112	2429	2726	200	100	164.7	100	****	4518	,		
31, C, C) Ji SAMPLE	6. JJ0	:	: :		•••	: .:	•		• :	•	•	•	•	;	•	;		<b>-</b>
31,16	317E	ñ	; ••	2,5	<u>ک</u> :		1 4			7 .	100	1		3 0	3 .	,		
	SCATTER 1203E	,	:.;		.:.	•	:.	; .	•	<b>:</b> .	. د	:	;.	<b>.</b>	•	:		:

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AF 3L	ND AVERAGED		PARTLELE SIZ: DISCARRITONS (NUMBER/14003-44)	
1 TEST BY	1 3:00	1 15 78 43 4	(NU48: 2/4	
5 F. C.	5.	3119	LICHE	. J.
0x101 0	2. JAN	244. STA	315 (19)	LY3Es &
l: 17	-i.3 34	1	. 512	
	4T : 79		RTICLE	
	2		4	

		P (MB) 551.5	17 (10)	4.843		TEMP (C)	-10.9		F-OSTPOTMT	-35.4		14S (H/S)	1,50.1		MT (N/M3)	<b>6.</b> 0		TOTALS	ó	<b>.</b>
17Hee 3-H41		PR.CIP PP)9E	9.	;	•	6	;	د.		.:	•		.•	.;	•	;			•	c
18 CMU48	w .	SIZE	3 09	647	116	1241	1536	1015	2132	5242	272t	3,23	326	161	3914	461.	450			
PARTICLE SIZE TISTES (MUMBER/Wers-MAS)  NINCE SIZE THAT STORE STOR	3.4765-0340-5449_E	Series	3	٠.	;	:	.:	:	.:	<i>:</i> :			-		-		:		3.	<b>a</b>
11. 321.	): 1E	\$17; (4.1)	F1	r)	20	29	4	221		10.	191	102	221	. •	23,	ź.				
PARTECLE		304TTE4 24J3E	:	9.	•	ċ		٤		;	;	;	.:	ئ	•	;	;			,
		(Cal)	~	٠	۰.	an	7	27		•	£7	62	^;	3;	c;	Ž,	ň		Ş	M2 3
		P (MB) 551.4	ALT (KH)	4,845		(E4P (C)	-10.9		FROSTPOINT	-52.4		14S (9/S)	120.3		NT (N/A3)	0.0		TOTALS	•	us.
(4003-44)		PR.CIP	3.	•	•	•	•	•			.0			:	•	.•			.•	•
(NU18: 2		\$12E (40)	764	2.9	346	1241	1534	5467	21.32	2429	2726	31.25	352.	3 61 7	3 22 4	+21+	45.8			
INTERNATIONS (NUMBER/Heess-44) PARTICLE SIZI DISTABLINES (NUMBER/Heess-44)	STOURS CHECK	5_3J5	,,				· .•	. :	; ;	: ;		. ;	: •	•	: :	: -:				ra er
14: E34 S12: 31	34365	31.62	2.5	` <b>'</b> •	6	2		À	, ,	10,	=		22.	, ,		2.95	1			
PARTICLE		SOUTER 2203E	6	: :			; ;	: :			: =	;	: :			;;		:	•	
		17 15 17 15	•		٠.,		• =	: _	: :		2 -	: :	2	<b>.</b>		. 5	ن. (	}	9	460 9

#2172 LG145 5PRAY PEST BY AFSL
F\_IGHT 279-32 2 2 24 7 3 1 35-064 HV.RAJIN3
[416-24 18471 P23157143F
PRATIZES SIZE ALF (4311 P1) (NUMBES/4\*\*1-44)
[172] RAIN BALKSKOJID SAMPL

717

5CATTE2

9415		P (MB)	ALT (KM)	4.843		TEMP (C)	-10.8		FOSTPOINT	-32.8		TAS (M/S)	120.9		MT (N/H3)			TOTAL		•
ISTON AFSL SECOND AVERSING FASS MESTARRS-MA)		-4.53TP P≥09£		: ;			.;	9	•	٥.	•		ċ	ë.	;	0.			;	•
AV TCS1 9 1 5 2 22 45 74 54 4 5 (N.) 4 85 2	نړ	512k (43)	9	7.44	736	1247	1538	1335	2132	2429	2726	3,23	3326	7617	3914	4211	4500			
17:12   10:145 SPRMY 16:51 97 AF5L 60:13 404 77 1 5:50N0 AND- [47:44 5:471*22575515  AAKIDLE 5:12, 0:51484117N5 (N.348:274903-44)	35.KSRUJYD SAMPL.	5-030	1.	•	;	•	;	;	:	•	;		•		;	:	;		:	•
INTERIOR DE LA CONTRACTOR DE LA CONTRACT	****	512.	.+1	1 A)		7	۲.	574	1.42	101	111	2.11	17,	3 • 1	366	. 9 .	305			
FLISAT 279		5C4TFER 2<29E	•	;;		; ;	:	•			•		:	.,		;	;			•
		512: (CH)	^:		۰.	•	1	~;	11	çŢ	£7	97	25	<b>*</b> 2	.0	2.5	30		3	
.c.w.k.o.a		P (HB) \$51.5	917 (84)	4.843	,	TEMP (C)	-10.8		F OSTPOINT	-32.8		TAS (M/S)	126.1		NT (N/43)	D.0		TOTALS	•	_
IV PEST BY AFSL 1 SELONT HV.RADINS 28:578-39 1 (NU48E3/Me*5-M4)		PR.CIP	.•	•			•	.,			•	•			;				•	•
1	ئے	\$12:	101	~ *	**	1244	1558	1035	2136	2429	2726	3023	1320	3617	3914	4212	4518			

10000111000000

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L#C

S12E

SMIST		(#8)	921.0	ALT (KM)	4.042		TEMP (C)	-10.9		FPOSTPOTMT	-32.5		145 (M/S)	149.0		MT (N/M3)			TOTALS	:	•
EST BY AFSL 1 SECOND AVER 7:55+ 14854/44+3-443		410.50	36035	.0	;	•	0.	.:	•		. •	ů.	;	;		• •	•	·.		:	n
W TEST B 1 3 2 2 1 5 2 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	,,,	7215	3	47	647	776	1541	1530	1635	7136	5772	2726	3023	3320	3617	1914	1125	45.6			
AFTC [CINS SPRAY TEST   FLIGHT 279-63 OH C. JAN 79 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	BAJKGKOJND SAMPLE	6.000	387 >>	;	.:			•	;		:	;	•	;	.;	.;	.;	;			o
AFF10-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	9436	7715	Š	773	۴,	'n	36	112	- 12	1+5	15:	181	100		147	.55	.3.	r;			
FLISHT E79 PARTAGLE		SCAFFE	3602	;	.;	•	;	• •	;	٠.	•	;	•	.;	•		:	;			٠,
		3775		7	.•	۰.	•	1	7.7	።	•	£ 7	2,	ž	*	5	53	25		) 1	G C3M
5N1:		(#B)	231.5	ALT (K4)	h. 643		TEAP (C)	-15.8		F.O.TPOINT	-32.9		T&S (M/S)	120.0		47 (N/#3)	6.9		TOTALS	.0	ت
1145 5P4N TEST BY AFSL 144 79 1 1520NG AVERSINS 2147142857528 2147142NS (NUMBERYM**3-M4) ER PAIN		96.019	14034	•	:	.•,	;	;	•	.:	ت ت	٠,		.;	:	•	;	• • • • • • • • • • • • • • • • • • • •		.;	7
145 5P4M TEST BY AFBL 144 79 155700 A 151714714571571524 191715MS (NUMBER/M************************************	ز	\$120	Ĉ	3	0+7	346	14+1	1538	1835	213	5459	3726	3323	3325	3547	335.6	4211	45.8			
2 13145 5948 2 134 79 48. SIART142 151 19011 UNS	BECKSRUDING SAMPL	3-333	380	;	.;	;	;	;	:	:			;	;	.:	.:	;	;		•	n
145.2 [3] 145.44A. 145.44A. 572. 1154.	340	32 J 4	è	-7	*	20	92	Ni T		(+) .9 .4	161	131	7.7	2.1	7.7	. 9 ?	385	,3,			
TO C.T. TOWN STATE TOWN STATE TO STATE THE STATE TO STATE		SCATTER	14035	.:	;		;	;	;	.;	.,			;	د		÷	;		;	,

172 5 15.45 5 PRAF 7531 37 AF5L 1 SEG340 - 4.2. A.M 7. 1 SEG340 - 4.2. R.M 7. 1 SEG340 - 4.2. R.M 19.23 5 P.M. 8. 7421.21E 5.12-1574.5. A.M. 8. (M4482474\*\*8-144)

TPET ICING SPRAY TEST BE AFGL FLIGHT 279-7 JAN 79 1 SLCOND AVERSING THISTAL STATESTSTRSS\* PARICLE SILE ALSELBATIONS (NUMBER/NewS-MA)

NT (N/H3) 5' TOTALS FPDSTPOINT 4LT (KM) TEMP (C) TAS (M/S) 119.8 **ゆきゃくっちからごらひょかかかってきまりごうないというないというないかいかかれかりまるというかかりかっているのかかれるととところできまっている。** 3474540JNJ SAMPLE 21.000 21.000 (f+) 271s 50471 Ex 24.13E F: OSTPOINT -32, A TOTALS TAS (M/S) 119.3 1LT (KH) 1EMP (C) NT (N/H3) P (MB) PROJE inon lucraches is のでかえていからいのをしょくかいてきますのこのことを見ることできまっているのかかりのかりちょうないちょうかからありかりままれる BUCGOOTS SAMPLE 5, J. f. SCAFFEK PROBE 110011110100001

AFFID ICLMG SPRAY IEST BY AFSL FLIGHT E79-J3 JM - L. JAN 75 - L. SEDOND AVERAGING INTERAL : LARIE-28557859 PARTICLE SIZE JUSTED INDER RESIDENT TVPEL ARIN

		P (MB) 551.9	110	6 E 6		TEMP (C)	-10.8		F. OSTPOIN	-32.8		147 CM/S	119.	MT (N/WT)	E - 2		TOTALS	;	_	1 NG			652°0	ALT (KP)	4.836		TEMP (C)	79.7		TO ALCOY	8.35-	14S (M/S)	119.6		N1 (16/13)		TOTALS		•
(\He+3-H4)		PROSE	ć				;	•	•		÷.	•	<b>:</b>	•		: ;:			6	T AFSE CONO AVERAS /wee3-44)		` ;	PROJE	• 13	:		•	ċ	• •	• •			٠,	•		• ·	:	.;	•
23157159 65 (NUMBE	PLE	512-	4	647	116	1243	153c	200	2132	5272	92/2	3863	16.17	. 4	+211	4538				1 5c 1 5c 23157159* 5 (NJA92R	٠,		CAU)	101	2 49	7,76	1541	1538	1155	2636	2726	3423	332 E	3617	7765	1124			
INTERNAL INATIOPS1571590 JARTLOLE SITT DISTRIBUTIONS (MUMBER/MOOS-MA) TYPE1 RAIN	SADCSPOUND SAMPLE	0.0JD P.J3E	,		-		:	:.	:	• •	•,	• .:	: .			:	•	•	c.	FLISAT 279-, 3 JY 23 JAN 79 1 1 52000 AVERSING 1 1 2 2 JAN 79 1 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SASKSKOUND SAFEL		6.73J	:	:	;	-	•	: .	: ;				, <b>:</b> .	•			9.	•
1475. 1775.	34.	31.2.		P)	0,0	32	7.7	<u></u>	+	101	161		17.	4		.;				5.3.14 141.318 14.33.18	34.5	;	35	 61	<b>*</b>		36	,	<u>.</u> .	191	121	10.	221		3:	, ,			
242TLCLE		SCAFFE4 P433č	;	•			;	.:.	. د	•	;	<b>:</b> . :	• •		ئ	;		•	-	F_154T E79.			P 2.39E	;	•	:	:.	:	: 3			;	.,	•	;	; ;			•
		S12: (MI)	N.	.•	,0	•	3	21 :	*	9 :	3^	12	1.3		62	3.		2 6 2 7 3 7	450			;	(P)	۸ı	• .	•	~` <u>;</u>	<b>.</b>	4 4	12	•	52	2	* 4	Ø <b>«</b>			LWG	0 C3k
		Р (МВ) 551.6	4LT (K4)	4.8+2		(C) dH31	8.37-	THE COLUMN	Throat south	-32.8	13/6 (8/5)	12.00	1	NT (R/M3)	6.9		TOTALS	•	ه	·In:		0	551.8	SLT (KH)	Ø. 00 € 1		(C) AE3-	9.01.	F > OSTPOINT	-32.8		TAS (M/S)	119.8	(F8/8) IN	2	, , ,	TOTALS	•	•
/H++3-H4)		986549 P3.986		· ,	·•	.;	<b>:</b>	·•, .	•		ي د			•	• >	<b>ن</b>		;	-	11MD nv.RA.		000	P239E	•		• -	•	; ;	; .;		ن.	•	;,	• :	•			•	Ð
15 71 55 °	wi	\$12c	101	24.9	3.4	15-21	1538	1325	613c	6292	3.23	3325	3617	3 31 4	+21.1	4508				1.5 E. (NOTE 2.2)	:		(F)	4) 4	٠ ده د	*	1541	1230	2132	242	272€	3023	3326	101		4538			
.avelada. Siaatioes 1856 Daatiole Sile oustrobulous (Wumberfumous Fyle arin	EJONAS GULCED	31.344 5.03E	;	;	<i>:</i> :	:	<b>:</b>	•	;	;		•	•	•	;	·,		:	3	1. 14.7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CSCOUND SAMPL	-	3:03£	;	÷.	•	:.		; ;	: ;			:,	-: -	• (	: :			•
\$141 \$42 ]	SA.	3,17E	.1	•	ç	26	֝֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞		7	23	10.	٠,			. 36.7	~							(4)	ñ	* · ·	76	~ :			12.	197	.;	42.	<b>.</b>		300			
PARTICLE		SCATTER P.O3F	;	.;	•;	:	;	•;	•		•	. 13	• •	د :	;	:		;	,	FLIGHT 679-53 74 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0		0.000	347.5	.:	វៈ	;	;.	•	; ;	:	;	•	;	3 6	•	: ;			,
		316	^1	٠	ι0	•	2	<u>.</u>	:	9:	4 0	; ;	1 -S1		53	£	9						(4)	۸,	٠,	n ·	•	2 2	::	9	3	7	23	+ 10		'n	,	¥,	50.0

SHT	AFFTU TOTAS SPORY TEST BY AFSL	F. ISMT F79-6+ DN 2+ .4N 74 1 SECOND AVERAGING	15.8	CLE <pre>cle <pre>cle</pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>	NISC SEGAL
		3HT E79-		ARTICLE	

SMINISHAY ORCOHOLI - FR MAI SO FO TO TOTORU ATTIFIC	7 15	PARTICLE SITE DISTRIBUTIONS (NUMBER/Meet-44)	,

		551.3	4LT (KH)		()) d#31	9.00		FPOSTFOIN	36.95		185 (4/5)	44.	•	(F # / 0) 1.4		•	TOTAL		;		· 4I *			0 (MP)	7.467	1 (K*)	4.847	4	11.44	-12.6	Management	4.86.	• • • • • • • • • • • • • • • • • • • •	TAS (M/S)			1 (N/N)	B • 2	19761	•
		36C7d	<b>.</b>	• •				• =	: 3			•	• •	•	• .	· .	•		;	Ε,	2047 AVER 3			046710		:	:	ċ		. ئ	י רו	•				;	;			-
	10	SIZE (H))	10		, , ,	7 2 2 7	9 8 8 4	24.42	0 6 7 6	2726			222	100	16.	777	•				1 St.		<u>.</u>	3215	Ē	1,4	647	116	1241	1536	1045	21.30	7776	3623	3320	1617	391 4	4211	4508	
NITE SEAL	31akes Chffa9aute	3603c	3.	<b>.</b>	•	;	•	• •	÷ .	• .	•	•	;,	;	;,		•	•	.:	,	F_IS4T E74-C4 14 24 45M 79 1 S_2040 AVER- F_IS4TC 17 24 45M 79 1 S_2040 AVER- F_IST CLET CLETTE STATE	Flamps Entlabour		2,043	15024	.0	ė	:		•	•	٠.		: ;			ė.	•		
-	347.6	3215	23	• (				77	•		121	3		7	i.	200	77					C en	•	5115	<u> </u>	23	,	62	£.	172	122	*	101		22.	74.7	9	. 6.		
		53ATTE4 523AE	·	٠.	.;	;	٠.	•		•	•	•		٠٠	:	;	•			rs	FLISAT E79			SCATTER	36000	.;		;	.;	.;	٠.		•			: 3	•		ះ	•
		317F (M.Js	^1	•	<b>,</b> n (	<b>*</b>	3 9	λι . •	<b>1</b>	Ç i	13	20	22	*2	3.5	<b>2</b> : 1	2		<u>.</u>	C (1)				£215	SE)	^	• .•	.0	**	01	?;	41	9 •	<u> </u>	; c		92	23	30	
		551.5	ALT (**)	F : 8 : 7		(L) dwg.	-15.6		A SOCIAL	• • • •		(E/E)	147.1	;	(FI/N)	C. 3		TOTALS	•	<b>L</b> i	CNIC			(am) d	551.1	ALT (KW)	4.846		1E40 (1)	-15.6		I MIONISOC I	* · 62-	(3/8/ 311	137.3		NT (N/ME)	a.c	20111	
		of Cod		.:	.;	•	;		•	•	•	ċ	<b>ن</b>		:	· .	.;	,		r	r 4F5L COND 6V298/ /4003-44)			610360	P4736		.,		.'	.;	e i	•	; .	•					•	
	<b>L</b>	\$12E (#J)	3	2 + 4	346	1541	154	12.1	7.5.5	5.47	37.5	5.05	3 6 6	5017	1914	177	a t r				1 35 1 35 1 35 1 35 1 35 1 35 1 35 1 35	1.		3215	Ŝ	4.0	205	9.5	1247	1518	1.435	21 12	5242	4024	333	3617	3914	4211	4508	
HISE SECAL	Jakes Chicesoo	3,000		•	•		<b>,:</b>	: •		;	;	.:	•		;	;	•		:	•	777 774 5 5047 FST AR 455L 1 2- 154 7- 1848 51471-21521 C	7 (69 Carter) C8 428 F		רים לי	₫ <b>.</b>				.•	;	<b>.</b>	÷.	• •	•		: ;		.;	;	
	310	5175		<b>~</b>	κ. (1)		101	7.1	) ;	141	1 3 1	11.	122	<b>.</b>	25.3	E 6.	ç				21948 - C + O4 - 111 584 - T 11 584	46		3.75	2		-,	2¢	35	1.2	727	291	2	161	221	742	763	243	53	
		SCATTER POSSE				ٺ		<b>.</b> .	. ئ	ri (	٠		•	;	•	;			ċ	••	8673 - 1347 - 1451.7 1457 - 1457 - 1457 1457 - 1457 - 1457			SCATTER	34066	;		•	•	;		;								
		S17E (MJ)	^1	٠	'n	•	3 :	¥ ;	<b>3</b> 1	<u>.</u>	<b>.</b> , :		ζ,	*	9	£ :	5	•	i.	457				215	Ê	~	•	'n	•	2	₽:	<b>:</b> :	2	: .	: 2	2,	92	£;	33	5

BACKGROUND SAMPLE

AFFI: ICCMG SPRAY TEST BY AFGL
1 SECOND AVERAGING

SAMPLE
SACKGROIND

551.0	ALT (KM)	*. 0.2		TEMP (C)	4		FEDERAL	4.671	2101	(3/8/ 371	D 44 P		LT (M/HT)			TOTALS		;	•
PROFE	;				<b>:</b> .	: .	٠.		: •	: .	•	• •	:.	:.	•	;		;	•
ST26 (MU)	7 07	647	740		100	1236	1835	2132	5242	2726	5201	125.	166	7166	177	1.64			
2.003				•	;		:	•			<b>.</b>		<b>.</b>	•	•	•		;	0
SIZE	23	۴,		0	28	102	É	14.3	161	181	71	121	241	16.	280	3.10			
SSATTER FROBE	6.58F+05		: .	•			•	ċ	.9				:	•				8.83E-08	~
SI 25 (MM)	•		•	.c	•	27	15	<b>1</b>	16	53	20	<b>2</b> 5	*	97	123	2		CHC	O Caw
P (MB) 551+1	ALT CENT		7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		TE4P (C)	-15.6		FPOSTPOINT	9.00-		TAS (M/S)	177.1		NT (R/H3)	0.0		TOTALS	•	-
PRECIP	c	:		•	9.	0.	3.		: 2		•	;			9.	ن.		.;	o
SI7E (40)	7.07	?;	, 0	11	12+1	1538	1935	21.32	577	2726	3333	3682	3617	3914	4212	4 50 9			
3808e	-	•	•		;	•					: ;	;			;	ç		;	-
S17E (10)	ć	Ç .	r,	62	10	132	123	7 1	191	131	231	22.1	2+1	.96	.83	3.1.3			
SCATTER PROBE		:					: =		: ;	:							•		. 0

2000年10日日本は日本の大学の表現である。

AFET, INTING SDAV TEST BY AFGL
F\_ISHT E79-Nu 34 24 AMY 74
1 SECNNT AVERASING
THEOLAL STRETT-PETISELES
PARTICLE SIZE DISTARRUINUS (MUMPER/MET-44)
POST RAIN

## SACKGROJAN SAMPLE

AFFICATION SPAN TEST BY AFFICATION TO SELECT T

	6 (MP)	4LT (KP) 4,850	TEMP (C)	Tatonta de la companya de la company	-56.4	TAS (M/S)	NT (N/H3)	TOTALS	
	P2ECIP 0209E	÷ 6	<b>់</b> តំ (	•	; ; ;			:: :	•
	\$12F (M)	35.	1261	1935	2429	3823	3617	456 456	
SACKGROJAT SAMPLE	3.0J0				ė ė		:::		
31046	STZE	# 13	8 25 8 7 7	137	161	102	24.1 26.0	0 0 0 0 0 0	
	SSATTER PROBE	6.59£+05 6.69E+05	0	• •	•••		, <b>.</b> .	0. 0. 6.49E-07	4
	SI 7E	t is	in en	<u>.</u> 21	4 4 4 4 8	13 20 20	6 to 10	28 38 140	ניייייייייייייייייייייייייייייייייייייי
	6 (4B) 9	ALT (KM)	154b (C)	-15.6	FPOSTPOINT	128 (4/5)	176.7 NT (N/H3)	D.O TOTALS	•
	985CI9	<i>:</i> :		·		÷.		·	_
<u>:</u>	STZE (4.1)	16.16	346	1538	2172	2726 3923	391.6 391.6	4.511 4.50 8	
GPJJNJ SAMPLE	2,0U2	;	: <b>.</b> ;	•		;;		33 6	•
1404671	312	6: 3	40 ec	1,12	161	1.9.1 201	221 241 253	703	
	STATTER	و و				: d d	<b></b>		•

S17E (FE)

IGAT PARTI
AFT1 1314G SPPAY TEST BY AFGL -1G41 E79-04 ON 25-134 73 13 55 OND AVER 1 VERVAL STRATIFER 1521 03* PARTICLE SIZE DISTRIBUTIONS (NUMPREVAVERS)-M4)
IGAT PARTI

AFFT; TOTMG SPRAY TEST BY AFGL

AVERAGING 3-44)		PROTE BERT	ALT (KH)	4.852		(C) AKEL	-15.6		FPOSTPOTNI	-56.4		1878) 581	13K. C		( N/R)	·.		TOTALS	.0	
1 55.0MB 152110* (NUMBER/N+*	ı.	S126 +96	434 0.	647 6.	344 3.	1241 3.	153 6 6.	1975 0.	213 0.	5429 (.	2726 0.	3323 8.	*325	3517 9.	1016	4211 0.	453 P. C.		;	
FLISHT E79-Dw JN Z4, JAN 79 1 SEJOND AVERANDE FLISH E79-Dw I ITERVAL STATIFORISEIDF PARTICLE SIZE DISTARDITONS (NUMBEV/M**3-M4) IVDER RAIN	SACKGROIND SAMPLE	5,013	.0	e.	•	3.	9.	:		•		;	•	•	;	•	.0		٠,	
.04.34 2 I 47.5844 SI 76. DIS	PACK	\$17E (191)	23		5.5	\$ 2	112	12.2	14	161	181	112	221	1+1	563	143	303			
FLIGHT E79- PARTICLE		STATTEP > 208E	ď				٠,	0.		.,	ο.	د				ď	:			0
		SIZE (UN)	^	J <b>→</b>	٠.۵	•	97	12	1 4	16	-	2	22	2	3.5	2.0	30		SH.I	MED D
5 <b>I</b> NG		(an) d	BIT PENI	4,852		1E4P (C)	-15.6		TNIGHTSOCA	-26.4		14S (*/S)	136.9		FT (F/43)	6.0		TOTALS	•	မ
CONG AVERA		PRECIP PRO9É	,								-					9.	٠,		;	¢
1 SE C1521 03*	2	7212 (MU)	7 (4	547	7.6	1241	153.5	1935	2136	5676	2726	3123	3428	3517	1314	4211	45.7			
24 JAN 73 1 SECOND AVERACING ALG STRATIBES (1828 1838 1831) INDER RAINONS (NUMPERS/MMHH) FYDER RAIM	BACKGROUND SAMPLE	2,003 24,035	·			•		•	7.	.;	;	-	3.		•	3,	.;			0
	345<	3415	2.3	, M	6.5	70	17.3	12.2	145	191	181	111	221	241	161	293	333			
FLIGHT E79-04 ON IVTER PARTICLE SIZE U		SCATTER	.0	ق :			ۍ			9				ρ.		;	•		÷.	æ
		317E (M)	^	) . <b>4</b>	٠,۵	•	7	17	*	16	5.7	2	25	ŧ.	<b>9</b> 2	29	ć.		SM 7	160 3

AFFT IN 16 SPOAN TEST BY AFST FLISH F F SPOAN AVERNAME INTERAL STRATTFE F STALL # 18 STOWN AVERNAME PARTICLE SIFE THE F STALL # 19 STALL F STA SACKERDJAND SAMPLE

	6.352 450.0	ALT (KM)	TEMP (C) +15.7	F-005TP01NT	14S (#/S) 1*6.6	NT (N/H3) 0.0 10101	
	ახ(ბძ ი[ეჭიი	÷.;	: : :				;
٥, د	SIZE	426	1241	2429	3027	4914 4211 4508	
SACKERDING SAMPLE	35030 64036					900	
310	3618	m m f	103	1642	1 4 4 4 1 5 6 4 1 6 7 6	267 230 410	
	STATTER PROPE	 					6
	SIZ.	r: + ·	0 67 70	7 7 9 5	5 Z Z 3	33.8	LWC MED D
	6°636	ALT (KM) 4.852	754P (C)	#-05#	145 (M/S) 136.4	N (R/M3) 0.0 0.0 0.0	2
	PRECIP	ត់ ចំ	i de la ci	: :::::::::::::::::::::::::::::::::::			•
ص( <u>ت</u>	3218	40.0	1 1 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2429	3023 3321 3617	3916 4211 4908	
SOJINJ SAYOLE	3.0J3	, ů.		in c'e	, \$ <del>,</del> \$		
345€	(far ) 3.118	80 F 9	4 C C C C	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.	35.7 39.3 30.0	
	73ATTER 223RF	6.71E+"5 E.	::::				8.91E-08
	S123 (MD)	Na .+ v	. 4 5 7	1 4 4 6 4 4 4 6	222	25 23 33	LWC MED 0

APPT: ISING SPRAY TEST BY AFSL	FLIGHT EF9-64 ON 24 JAN 79 1 SECOND AVERAGING	INTERNAL STARTING 1521129	IDLE SIZE DISTRIBUTIONS (NUMPER/MOORE)	PADES ARTH
	FL IGHT E79-6		PARTICLE S	

									_									
: SE		6 (mb) q	ALT (KH)	4.851		1£4£ 1C)	-15.6		F BOSTPOTMT	-26.3		TAS (M/S)	136.1		N7 (N/N?)	6.9		•
197 BY AFSL 1 SECNTO AVERATING 2116 14812/HPC3-41)		PROFE				9.			i ei	:	:		•	.;		:	2	
E 22 =	٠. د د	\$15 321S	1 1	5.47	746	12+1	1546	1975	2132	5429	2726	30.3	3 63 6	3517	7 16 2	<b>\$211</b>	4634	
AFF12 ISING SPRAY TEST BY AFF1. FLISHT EP9-B4 UN P2 & JAN 79 I SECOND A PARTISLE SIZE DISTRICTATION (MUHRER NO 9)- I YOUR AND AND A	SACKGRAJNY SAMPLE	2.033 24.035	;		;			٠,			;		;		,	<b>:</b>	 	
AFFT2 -04 JN : 14TERN 5175 DI	3 604	\$17E (11)	23	•	52	25	192	15.	14.2	151	191	157	121	**	192	290	433	
FLISHT EP9 PARTISLE		SCATTER DOJUE		: 2							: 3	ئ				<b>.</b>		
		SI 7E (HJ)	۸	•		•	4	21		91		20	5		36	23	36	
3 Inc		553.9	1, T (KY)	4.852		101 4631	-15.6		FPOSTPOINT	-21.3		TAS (4/S)	136.5		FT CN/WTJ	٠.,		
TEST BY AFSL 1 SECOND AVERASING 1521129 (NUMPERAMOS—44)		36C2d	0.	ŋ.	;	;		:			•					,	ċ	
F 10.5	Ę.	321S	4.4	6.7	346	1541	1538	1515	2136	542	272€	3323	3 32 E	3517	3316	+21 F	4538	
4 PFT3 121MG 5P4AY TEST BY AFSI 4 M 24 JAM 79 1 522ND 1 12E OISTATATATATATATATATATATATATATATATATATATA	GACKGOUJNO SAYPLE	7.033	;			<b>.</b>	÷		.:	.:	.,	<b>.</b> :		ċ	;	•		
4FFT3	940	3238	53	*	6.9	ري د ر	102	122	14,3	191	191	1.	4.	2.1	5		130	

<b>a</b> .	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	145	
PRECIP	ရုံးကို ရုံရုံ		00000000000000000000000000000000000000
3118	14 6 5 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	10000000000000000000000000000000000000	4512 4512 4518 7 TEST 8 27 ESS 13 E 5 (NUMPER
2013	****** ******	ede id id:	130 1: 521 0: 13
\$17E (49)	**************************************	N: N)	291 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
SSATTER POSSE	ပံ့မိုင်ကိုပုံ	စ်ရှင်ပိုင်းဆုံး	C. 290 1:0 C. 130 3. C. 130 3. C. 130 EFFT J. T. 120 J. 130 3. ELISHT EF9-F4.74 24. JA 4.7 VATES A. 130 3. T. 130 3.
\$17E (HJ)	ni + di+n car edi	시 글 첫 한 전 (P) 전 (S)	23 26 36 400 400 400
651.9	1LT (KY) 4.85? 7E4F (C) -15.6	F 00.51P 01 WT -2f.3 1AS (4/5) 136.5	TOTALS  TOTALS  C
36C2d d1336d		កក្ខុខ ភេទ ភេទ ភេទ	2. 2. 3. 4. 5. 5. 7. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.
((/h) 3215	10 PM	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	# # # # # # # # # # # # # # # # # # #
7.0JJ	****	្ ពិតិតិទីតិគឺសី	193 0. 6511. 0. 190 0. 100 500 40 TEST 34 AFOL 190 0. 10
3238	23 443 102 103 103 103 103 103 103 103 103 103 103	N 한 취 된 된	0 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.
SSATTER 2409E	636;34		0. 0 0. 0 0. 0 0. 0 0. 0 0. 0 0. 0 0.
S1 75 (#3)	N + 40 ** ** **	4445677	

TOTALS 0.

	556.7	ALT (KH)	4.851		TEMP (C)	-15.		F POSTPOTAT	-20.3		1 4S (M/S)	136.9		MT (N/HT)	9		TOTALS	
	98651P								•									
5	\$17£ (49)	101	547	776	1241	1538	1935	2132	5429	2726	3023	3336	1617	3914	6211	.50		
STOREGOING STANKE	3,013	•		3.		ŗ	3.		÷					·				• •
3404	3675 3415	23	,	79	32	10.5	12.2	142	161	181	37.2	221	3	263	283	13.0		
	SSAFTER PROPE		: 3				•			: ;					ä		;	
	517E (MU)	*	•. •	٠.٠	•	70	3		16	=	2	: 2	· *	97	2.5	1,3	}	2
	P (HP)	1LT (K4)	4.859		TE4F (C)	-15.6		FPOSTPOINT	-26.1		TAS (M/S)	136.2		NT (N/H3)	e. o		TOTALS	
	90€€3Io P ₹00€		•		٦.							.;	•		÷.	•		;
ŗć	SI75 (4)	101	2+0	796	1241	1536	1335	2112	5429	2726	3073	3326	3517	3314	4211	4538		
ELOVAS BAVOLE	2.003	;	÷		;	ë	;			;		:	÷	ė				
-34C	S17E	8.	£ ,	Ç	93	132	12.2	142	191	187	272	221	2+1	263	293	<b>CC</b> *		
	SCATTEF PROPE	6.725+65		•	;			.:		;	-	-	.;				;	8.92E-08
	(f.w.)	C1	•	10	•	4	Çi <del>M</del>	*	94	<b>5</b> 7	3	či.	<b>1</b>	26	•	<b>9</b>	•	, t

1997年,1997年,1997年,1997年,1997年,1997年,1997年,1997年,1997年,1997年,1997年,1997年,1997年,1997年,1997年,1997年,1997年,1997年,19

AFFT INING SPARY TEST BY AFEL	FLIGHT E79-04 ON 24 JAN 79 1 SECOND AVERAGING	Ę	PARTICLE SLIE DISTRIBUTIONS (NUMBER/MERT-44)	STOTE PAIN
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	P (##)	ALT (KM)	4.857		TEMP (C)	-15.6		FDOSTPOINT	-26.3		1 AS (M/S)	135.9		(F/43) La	0.9		STATE:		-	10 2 3 10 40		(aw)	556.6	ALT (KM)	4.854		1EMF (C)	-15.6		MIGGISO	-26.3		(C/E) (N -	7.00	NT (N/HE)	0.0		10141.5		
	PRE510					•	.;		:			;		.;	•	:			E)	TSJE A		010100	55020			:	٥.			•	•	•	•	•	•	•	:			,
HOLE	\$12E (MJ)	404	64.7	116	1541	1518	1315	2112	5429	172€	3923	3325	1617	391 4	4211	874				747 757 F 1 56 *27 652 119* NS (NU4929	- ld	5175	3	43 4	7 99	716	1241	1536	1975	2135	542	2726	3063	3520	3916	4211	4538			
RECKSROOND SAMPLE	₹ 003 3€0\$€	•		;				ċ		;	٦.	ċ	ė	;	٠;	ċ	,		<b>E</b> )	AFFIC TOTMG FPAN TEST BY AFFL TELEMENT TOTAL EFFECT ON 24 JAN 79 1 SECOND AVERALENS TOTAL	947469JJVN SAMPLE	6	2403E	ć			٠,	٠,	•	•		•	;	; e	• •				•	,
346	3775	23	*	29	3.2	112	12.5	1.	161	181	211	122	¥*.	192	141	133				AFF1 9-64 0V I 4T ER 6 SI 75 0	( <b>8</b> t:	2445	(£)	~	*	5.2	32	112	12.5	7.7	161	121	10.	20.4	196	182	10.			
	STATTER P40BE	.0						•	•			• 0	ر.	;	•	<b>:</b>		•		FLISHT EP		CTIIV	3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50					ئ		;	•	•	:	•	: -		:			,
	S1 ZE (PH)	•	•	w	•	13	15	==	16	13	5	22	<b>*</b>	56	92	30		011	HED I			24.42		~	•	٠,٥	•	CI	2	<b>1</b>	9 :	en :	2	** 6	52	28	30		M. C.	1
	148) a	ALT (FM)	4.853		1£4P (C)	-15.6		FOOSTPCINT	-2C-1		1 8 (H/C)	175. K		( T / Z )	ت. نا		101615	•	-	V A I E		( ( ( ( )	956.9	ALT (KW)	4.852		TEMP (C)	-15.6		1011011	-76-3	13/2/ 3/1	10 / 1 / 10 · ·	•	HT (N/HT)	5.5		21415		
	PRO BE	9.	;	ė.	e,	;		.;	ċ	;			<b>.</b>	•	ċ	•	,	•	-	EST AY AFTL 1 SF10N1 AVTRASIDG 2111* U4PE2/4***-44)		eIU Jes	36654	.•	;		.;	. ئ	• •	•	; .		; ;		٠.	;	<b>.</b>			
	SI7E (MD)	3	1- 1:5	346	1541	4 55.0	1935	2132	2420	272€	3023	7323	3517	776	4211	, ,				1 3 1 3 1 1 2 1 1 3 1 1 3 1 1 1 1 1 1 1	į	3115	Ē	3 64	245	7 +6	1241	4 10 1	1355	1	2429	3.23	3325	1617	3914	4211	4 50 6			
CKGROJNO SAMPLE	2_m37 22.33E	•	.;	;		•	•	•	•	;		•	• ,	•		;	-	•		1FF75 15146 SP3 AV TEST BV AFTL 1 SF 5A 73 1 SF 5A 1 1 TITOREA STAFT FOT 1528 LTP 5T72 FT72 FT11 DVS (MUJAPES/WewT-44) TV518 RAIM	THEFTS CALLERS	1.01	31.024		•	•	•			•	• ,	ئہ:	; ;	E,	•		•		,	
€.	3125	23	*	62	60	12	17.	144	141	141	10.	221	1		(4)	7.						211°	( )	.3	•	K. (	0	7) ( 7) -	27		101	11.	221	7+1	253	290	2			
	SCATTER PROBE			•		• •	•	•		;	:		•		:.	•	é	;	,	FLIS4T E79 PARTIOLE		SCATTER	ablès	.;	. د.	<b>.</b>	÷.	٠,	• •	· .					;	<b>.</b>	•			
	S1 25 (MU)	<b>C</b> i	٠	'n	•	2 .	71	<u>.</u> .	·O :	19	2	ķ. (	• •	C (	ς, ε	?	1	֚֚֚֚֚֝֝֞֜֝֝֝֝֝֝֝֝֝֝֓֓֓֓֝֝֝֡֓֓֓֓֞֝֝֡֓֓֓֡֝֡֓֓֡֓֡֝֡֡֓֡֓֡֝֡֓֡֡֡֡֡֓֡֡֡֡֡֝֡֡֡֡֝֡֡֡֡֡֡				STZE	C#3	^1	.•	ın ı	'n	3∶		4 +	: =	: 2	2	:	56	53	20		4E0 D	

TOTALS G.

TAS (M/S) 134.9 NT (M/H3)

		p (Mb) 551.1	ALT (KN)	4.849				FFIOCIPOTA	-26.1	145 (14/6)	1.4.7		- 1 X LX	f. • 1	TOTALS		U	eniu			0 (4 m)	374 (Km)	1.85	(J) dF31	-15.6		2.12		135 (8/5)	•	NT (N/MT)	e. c	TOTALS		
APPTO TINS PPORT TOTAL BY APPT THE TOTAL STAND ASTEND TOTAL TO THE TOTAL STAND TO THE TOTAL STAND TOTAL STAND TO THE TOTAL STAN		PRECIP	ć		•6	٠, ١		61	. ئ	• .	• •	; <b>.•</b>	.;	• •	;	•	c	AFFL 1745 1745 50144 FET AV AFFL L. 1745 1745 AFFL L. 1745 AFFL L. 1755 AFFL L. 175		•	3662a	:		• ,;		.:.		ئ	•			÷ e	;	•	
1 SE 1 9 2 1 SE 1 9 2 1 SE 1	: 1a	(6k) 3215	3.7	64.7	3+1	1241	1916	21.37	5676	1426		7.54.7	1314	1124				1 7557 F			\$14E	7 54	54.7	- 10	153 6	1375	21.5	272€	1123	3547	7 161	4211			
TEFTS TOTAL SPART TEST BY AFT.  ON 24 JAN 79 T SECOND A VITARAL SPART FEST SECTOR  E DISTRIBUTIONS (NUMBER/44**)-	TAUCGESSTAT SAMPLE	5403c	_		;		٠;	;,:	٠.	;,	•	•.:	;	. <b>:</b> ,	•	;	·		- Jamps Chilledacte	•	34046		<b>.:</b>	•	• , •	;	r (	• •	;	• •	.:		•	• •	
144 0N 6401 0N 64	18040	3215	~	• •	\$ 5	33	100	16.2	141	137	101	1	25.3	244	•			1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	21.50	•	3115	<b>*</b> :	<b>~</b> (			153	***	181		127	36.)				
FLIGHT 279 PAFTIOLE		STATTER FROM	20.4364 1	6.1361.0	: :	;	٠			•	•	: :	.;	'n.	•	3. 52E-ER	61	FLISHE EPS PARTICLE			SCATTER 2279¢	.;	;	٠.	; .	ن	٠.	; :	÷.	•	:.;		•	0.	
		3118 (0H)	•	•	٠.٢	₽	ន្ទ ព	4 -4	, <del>,</del>	<b>5</b> 1		N *	56	T)	ڊ	OR 3	C CL				512: (A))	,	•	n i	J -	3	3 ·	n en	20	22.	, , ,	8. 1	?	HED D	
SINS		648) 553.6	1	1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A		TEME (C)	-15.6	TWIGHTSDEE	-20.1		(V/H) S8 h		LEAVES IN	6.1	Z IATOT		ن :	J.N.C			550.7	6 LT (KM)	1 58 **	47.1	-13.6		TWIDGESOCY		T 85 (M/S)	134.7	NT (N/MT)	0.0	T014L*	<b>0</b>	
ILMS SPRAY TEST BY AFGL JAN 79 1 SECOND AVERACING STRATL ** PET 15 ST 15		38088 410384				•	٠.	•	; ;	•		٠.	.;		•	. ;	;	v af3l rond avçem /weet-44)			FRECIP Pagae	,•	ę,			• •	ċ	. 6					•	0.0	
17 TEST 9 1 SE 15 15 2 12 3 *	::	321S	į	43 4	7 76	1241	1536	111	2420	272€	1923	1517	7762	4211	4576			1 551 9 1 5511 1 (NUYPER			(fik) 3218	7 [7	245	1 1 1	151	1975	2132	2726	1023	3 4 4 4 4	7916	4211	8 T C #		
AFETS TOTMS SPRAY TEST BY AFGL DLON 24 JAN 79 1 SECOND AVED TYTERAL STRATIVETISST STYE STSTAY MUMBER/MMMT-44) IVOEL ANIM	BARKGPAJN7 SAMPLE	2,003 9,095	ı					•	: ;:	;	<b>.</b>	•	٠,			,	•	NFTT INING SPORT TEST OF AFTL A TW PA JAN 79 INTERNAL STRATTFORMS SPOND AVERSTWA THE DESTRACTIONS (MUMOLS/Weet-44) IVER AALY	137 CE CC373CE		3.03.			;		٠.	۲,	•		•			•	3. 0	
9-04-0N 1VT ER 5 5 17 5 3	340	\$12E (4U)	1		9	4	12.3	71	151	131	11.	ξ, ζ	÷ 54.	393	13			1 1 1 2 2 3 3 4 5 4 5 4 5 4 5 4 5 4 5 5 5 5 5 5 5	787	7	317E (10)	2.3	<b>M</b>	201	, <u>;</u>	22	77	144	101	121	7 6 7	33.	2 2 2		
AFF FLISHT E79-04 ON ETVI PARTICLE SIZE		SCATTER PROPE	,	•			; ;	• •	;;		<b>.</b>	•	; ;	;	;	ė	, ;	NET E79-64 THEN I THEN			SCATTER 227AE	ď		÷.	• •	: :	٥.	; <del>c</del>		•	• ·		;	g. 0	
		\$12E	•	<b>~</b> 1 ·	• .c	•	9:	¥ :	9	<b>C</b>	2	× .	. 5	2	**	1	46.0.9				SI 25 (A1)	^	•	٠.	n 5	12	3	£ =	ន	25	* .c	53	×	LWS MEU D	

AFFTS TOTING SPRAY TEST BY AFSL	1547 EF9-DE ON 24 JAN 79 1 SECOND AVERAGINS	T4FERVAL STARTI#2315212.	PARTICLE SIZE DISTRIPLIONS (NUMBER/44+3-M4)	NIV? Ideal
AFF	AC 41	111	1 ZE	
	1547 EF9-E		PARTIBLE S	

JEST JING SPRAY JEST BY AFSL

9411		555.9		1441	** 852	!	(2)	-15.1		FOSTPOINT	-56.2		11S (H/K)	134.6		14 (K/44)			10110	•	•
15E0ND AVERNO 15E125 (NUMBER/WORT-MA)		PRECIO			;	:		:		;				;		.:	ċ				
1 5E2	 	34.25		7	547	1,6	1241	1538	1975	2112	2429	2726	3023	332€	3617	1764	+211	+53.6			
ISHT F79-66 ON 2+ JAN 79 1 \$2500 A NTEPVAL STATTO201622225 PARTICLE SIZE PISTAL9J110us (NUMBER/Mee's-	SACKGOOJING SAMPLE	3.003	,		:		٠.	.0	•	.;	3.				•	;	.:	۲.			e.
SIN 321S	91046	37.5	}	~	£ \$	55	÷	1112	12.2	14.2	161	187	23.1	17.	7.	797	14)	נו			
FLISHT F79-64 DW 2- JAM 79 1 \$5.000 AVERSTMG FNISPAAL STARTF2F152F152F25 FNF0-1-M4) PARTICLE SIZE PISTALGJITOWS (NUMBER/W001-M4)		SZAFTEK	967	0.	:			٠					٠.				Ġ	;		:	و
		3718		~	.*	٠	-	1	12	3	16	-	. 7	22	2	9.2	Ž.	36		ر د	460.0
S NIO		7 7 7 7 0 0		ALT (KH)	4.856		TEMP (C)	-15.7		FIGSTOOTNT	-51.5		T 15 CM/SJ	1.0.3		FT (K/HT)	Ð.0		TOTAL		_
.S. ST AF'16. 1 SECOND AVERAGING 2124* JM BER/W#+3-M4)		410394			9.		9.	· 0			:				9.	:	3.			;	0
1 SEC	, j	3215	È	,,	2 79	7 16	1241	1538	1135	2135	5 77 6	2726	1321	1 32 r	3517	3 3 5 4	+ 21.1	4631			
APTI 17140 SPRAT 1251 97 APTI ISWI EF9-66 TW 24 JAM 70 1 SECOND AVER TYPERAL STARTICZISTE TO TECHNOLOGICZISTE TO TECHNOLOGICZISTE TO TECHNOLOGICA TO TECHNOLOG	SACKGROJYJ SAMPLE	0,000	Š			•										<b>.:</b>		•			မ
APFTS TATERY SIZE DIS	3404	3775	2	7	, p	62	2	162	123	142	161	141	231	22.1	15.	24.3	193	330			
FLISHT EFG-06 ON 2 C JANG SPR TATROPART 3 TARRART 9 PARTICLE SIZE DISTRIBUTION		SCAFTER	-4086								•		: :				9.	ئ			6

APPLICATE 279-64 DE CONTROL EST RY APSIENT TELESTE EST RY APPLICATE 279-64 DE CONTROL ESTE DISTRICTED TO CONTROL ESTE SELVENTIAL E

FLIGHT ETGEN THE THE SPORT TENT OF BETTER PARTICLES TO THE STATE OF TH

	556.9		ALT (KM)	4.852		1E# (C)	15.7		L-DOSTBOLAL	-50.7		(\$/W) \$#.	134.6		(	e ;		TOTALS	<u>.</u>	
	and con		•				ئ	.;	.,		•	ď	;	•	÷		6.		•	<b>6</b>
- i	3215		767	64 7	3.6	1541	121	1935	2112	5429	272¢	3,23	3320	3517	3316	.111	4254			
FIGHTS CHREST	3, 00			•	;		r.3	:	.:	<i>:</i>		:		ċ	<b>:</b>	;	;			
<b>3</b> ₹€	2715	:	2	,	5.5	8	132	173	147	141	1.3.1	271	7,7	1+1	607	283	603			
	STATTED	5021	6.415+35				: 3								•	ت	Š		9.64E-28	2
	5175	Ê	^	•		•	11	2		: <u>-</u>	1.3	20	<2		26	33	30		CMJ	MED D
	( an ) c		1,17 (<4)	4.854		TE46 (C)	-15.7		F = 0 STP 9 I 4T	-26.2		185 (4/4)	174.7		NT (N/HT)	6.0		TUTALS	•	
	PRECIO		.:	ξ,	3.		•				3.	:	;		ė,	3.			·.	•
. 10	1715	}	7 (7	547	346	1241	1538	1335	2132	2429	2726	3023	3326	3517	1914	4211	4538			
Flakes Chicoby	0.000	, ,	;		•	•	·	;		:		3.	<b>9</b> •				0.		;	
34~≮6	1615	•	23	7	25	60	192	15.5	1.4.3	191	181	10:	221	241	.63	493	193			
	SCATTES		.3	٠	á		ئ		•			:							ė.	•
	3218		^	•.	.0		7	15	•	91	13	Ç	22	5.4	92	5	33		, FC	450

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AFFTS TOTNG CPBAY TEST BY AFGL

SIZE (MA)

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90106		P (#8) 558.6	ALT (KM)	4.854		TEMP (C)	-15.7		FROSTPOINT	-2f.2		TAS (M/S)	134.7		NT (N/#3)	G.5		TOTALS	-	8
TEST BY AFGL 1 SECOND AVERACING 52138* NU4BER/M**3+M41		3602d			÷		:	•		٠.		:		•			·		.*	•
1 SE 1 B 1 SE 1 B 1 SE 1 SE 1 SE 1 SE 1	ונ	S12F (MU)	7	740	776	1241	1588	1975	2132	6242	2726	1023	3320	3617	3914	4211	4508			
AFFI ISING SPOAV TEST BV AFGL FLISHT ET9-04, ON 24, JAN 79 1 SECOND AVEP INTERVAL STATTOPESSSTUD PARTICLE SIZE DISTATUBLIONS (NUMBER/HOO3-H4)	SIGHES CHECOSSES	C.0U.)	•				.,	•	3.	.;	•		;	٠.	3.		٠.		;	6
4FFT3 -04 ON INTERV SIZE DI	9404	\$12E (MU)	2.3	, ,	62	80	102	122	14.2	191	191	10.	221	747	,63	250	133			
FLISHT 279 PARTICLE		SCATTES PROBE	•						ď							ò	;			6
		S175 (MU)	^	•	· ur	•	10	21	1.7	191	-	2	22	ž	25	<b>.</b>	35		S N	C Oak
SRIG		(44) o	ALT (KM)	4.856		TEMF (C)	-15.7		FOOSTPOINT	-20.2		14S (M/S)	134.5		NT (N/M3)	0.9		TUTALS	.0	c
EST BY AFGL 1 Second Averacing 21239 Un Ber/Movs-441		PRECIP PROME		•	9,	•				:	•	٠.			.•	<b>.</b>	•		3.	0
V TEST 8 1 SE [1521294	31	321S	7 (7	647	776	1241	1538	1935	2112	6242	2726	2002	3320	3617	7161	4211	4534			
24 JAN 74 1557 BY AFGL 24 JAN 74 1 55COND AVER 12 57421421148 (NUN BEZ/Me+3-44) 17051 2414	SACKGRJUND SAMPLE	5, 003 P209±	9.	ė	•		•			"	·		••	•		٦.	9		.;	<b>E</b> )
AFFTD 1 F4 ON 24 INFRWAL SIZE DIST	94C	\$17E		*	19	8.3	112	4:2	143	151	191	111	221	1+7	192	253	\$30			
AFFTS P9-04 ON 20 PERSON INTERNAL		SCATTEP PROBE				. د		٠.		•	e,			•	.,	•	J			0

TETT TOTHG SPORT TEST BY AFGL TIEPCAL TOTA EN TO 1 SECOND AVERATING TIEPCAL STATINGUESTAIN PARTICLE SIZE OISTAINITIONS (NUMBER/MONTANA)

	550.7	ALT (KM)	4,853		TEMP (C)	-15.1		FPOSTPOINT	-58.1		1 AS (M/S)	134.3		NT (N/N3)	<b>0</b> .0		TOTALS		-
	POECTP PROPE		ė		;	•		•	ċ		•			:				;	•
PLE	S12E (MU)	3	245	3 36	1241	1538	1835	2112	542	1726	3023	3326	3617	3914	4211	4588			
BAGKGPJJNJ SA4PLE	2.0U7	•	•			9.	;	•				:		•					-
346<	3715	23	7	9	62.00	201	122	14.2	161	191	29.1	151	342	563	260	390			
	SOATTER PRUBE			•					•	•		•	;		:				60
	SIZE		•	.0	•	27	1.2	4	16	13	20	22	2	56	2	72	3	LHC	MED D
	£.	=	59		ũ	5.7		JINI	2.3		H/S)	4.9		3	•••		465		•
	0 (44) 550.3	ALT (KH)	4.8		dk31	7		F 205 TP	~		TAS	13		uT (N/	_		T0T	•	
	PRECIO 9 554	1. ALT (K)	6.	•	0. TE4P	£7	•0	9. FROSTP	۴.	0.	0. TAS (	13	••	J. NT (N/)	9.	<b>.</b>	101		•
7.7		;	547 6. 4.8			.;	•	3.	٠.	9.	•	;	•	•	ë	:	101	••	6
GRAJINJ SAMPLE	PREC10 P203E	*6 707	•	.D 446	1241 0.	.;	•	3.	٠.	9.	•	;	•	•	ë	:	101	3.	
940463JNJ SAMPLE	SI7E PRECIP	*6 707	0. 647 6.	3. 944 0.	3. 1241 0.	ņ. 1548 C.	7. 1875 G.	3. 2172 9.	1. 2429 P.	2726 0.	30. 3023 0.	0. 337f u.	1. 3517 D.	3. 3914 3.	4211 0.	.0 4506 0.	10	3	
	35054 (fm) 3603c	23 4. 404 3.	0. 647 6.	62 3. 944 0.	32 3. 1241 0.	132 p. 1548 f.	122 7. 1875 0.	14? 3. 2172 9.	161 7. 2429 0.	151 2726 0.	291 3. 3023 0.	221 0. 337f u.	741 7. 3517 0.	763 3. 3914 3.	297 00 4211 00	337 0. 4508 0.		3.	

AFFT IDING SPRAY TEST BY AFGL FLISHT E79-04 JN 24 JAN 79 1 SECOND AVERSING Tyfferdal Statt\*2F182\* Particle Size Dissrations (Muy 8:2/4+\*\*3-44)

APPHU ICING SPOAT WEST BY AFSL	FLISHT E79-D4 ON 24 JAN 79 1 SECOND AVERAGING	INTERVAL STARTS PROSTS	PARTICLE SISTEDISTALBUTION (NUMBER/MAPP)	NIV SEL
	ASING			

	F (MA) 550.5	ALT (KH) 4.856	TEMP (C)	-15.9		MIONICONA	-20.1	TAS (M/S)	134.8		NA (N/H3)	6.0	TOTALS		u	ASING		6 (48) 550.4	ALT (K4)	4.857	47.4	1 1 1	0 *61.	FPOSTPOINT	-20.1	TAS (M/S)	134.9	NT (N/H3)	0.0	TOTALS		نو •
	PRECIP 0408E	::	<b>.</b>		•	•	ં .	•		3.	ċ	•	•	•	•	BY AFGL Choun Aven		5602a	9.		ė.	•	• •			•	<b>.</b>			:	.,	<b>D</b>
PLE	SIZE (MU)	101 547	2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1536	1815	2136	6246	2662	3323	3617	3314	4211	10 11 17			AV TEST (1 SE 26152135 S (NUMPE)	PLE	SI7E (MU)	4.3	<b>647</b>	776	1741	1936	2132	2429 2726	3923	1320	3914	1124	9 14 4		
94CKGPJJND SAYPLE	0,000 P₹08€	::	• •		3.		÷.	•	• •	•	;	÷.	•	•	0	AFFIJ 171NG SPRAY TEST BY AFGL ON 24 JAN 73 I SE-NUN AVERASING INTERVAL STARTI*26152127* DARTICLE FLZE OISTARJUIONS (WUMBERYW**3-44)	BACKGPOJNO SAMPLE	2,00J	•	•		<b>.</b>	••				<b>.</b> .	;;		. ·		-
6	\$12E (M)	13 13	6. 6.	102	12.2	142	191	197	221	241	092	33.0	30.3			AFF1, 9-64 04 INTER: E S. Z.E 01	940	3776 (#3)	23	**	25	26	102	1.42	191	101	221	263	283	300		
	SCAFTER PROBE	;:			•	ċ	<b>.</b>	•			•		•			FLISHT E7		SCATTER PROBE	:		•	<b>.</b>	: -		•		•	:	•	:		•
	SIZE (M)	<b>*</b> +	.o •	77	15	:	91	r e	22	÷	92	į.	30	2#1	MED 1			SI ZE (H'J)	~1	.•	S.	•	12	17	9 5	20	25.5	26	58	30	2	#E0 0
	P (Ma) 558.4	ALT (KM) 4.857	TEMP (C)	-15.8		FROSIBOINT	-20.1	1 10 (11/11)			NT (N/FT)	ů.ů	SISTOT		2	A3 IP 5		7°255 250°4	ALT (KM)	4.857	4	401 413	12.8	FPOSTPOINT	-20.1	TAS (M/S)	134.8	NT (N/H3)	0.0	TOTALS	•	0
	PRECIO PROSE		ငံ ခ		٠	•		• •	, <b>.</b>	•		•	•	,	e.	SV AFGL COND AVER		PRECIP	1.		• •	•	• • •	ċ			<b>.</b>	•	÷.	•		
P. c.	SIZE (MJ)	40 4	4 26 4	1548	1935	2135	9429	3000	3326	3517	3914	4211	10			47 TEST 6 1 SE 20 (552) 33 * 5 (NUMBER	PLE:	\$12E (MJ)	704	547	34.6	1747	1835	2135	2429	3023	3320	3914	4211	4 24 0		
KG90JNN SA4PLE	5, 70U) 72O3E	;:				•	•	•		ໍຍ	;	<b>,</b> *.	·.	9.	•	AFFTS ISENG SPOAM TEST BY AFGL 04 ON 26 JAN 73 1.55CNN AVERASING LYTEPAAL STATIMOTESS 38* SLZE CLSTREMINS (NUMBER/W***+44) IYPER RAIN	EJONAS GNUCOSX	3,033	;	•	•	•	• • • •	•	• •		ت		•	•	•	
94046	\$12 E ( 10)	£ 53	6. 6	102	122	142	15:	֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֝֟֞֝֝֝֝֝֟֝֟֝֟֝֝֟֝ ֓֓֓֓֓֓֓֓֓֞֓֞֞֓֓	321	2+1	, je	293	920			AFFT3 9-04 ON 2 147284A E SIZE CIS	946.5	(fak.) 2215	23	£ †	6.6	7.	127	747	191 181	231	27.1	9.	283			
	SCATTER PROBE		9 6	: :	•	•	ຍໍເ	• •	: :			·.	•	:	•	4FFT3 F_1347 E79-04 ON 2 LYERV 2 PARTIZLE SIZE CIS		SATTEF PROBE	:		<b>.</b>	: .	• 3	٠.					ė	:		r
	SI7E (MU)	<b>6</b> 1.≠	·0 #	101	27	3	15	, c	23	÷.	92	<b>E</b> .	20	LMC	Hei) 0			STZE (MU)	~:		•0 •	•	7 27	3 :	5 <b>5</b>	23	2, 2	9.	15	9	7 1 2 1 2 1	

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APPT: ICEM6 SPRAY TEST BY AFGL
FLIGHT EP9-84 ON 24 JAM 79 1 SECOND AVERAGINS
INTERNAL STATINGHISS 384
PARTICLE SIZE OSSTBUTIONS (NUMBER/NP+3-NM)
TYPER RAIN

APFT: ICIMG SPRAY TEST BY AFGL FLIGHT E79-64 OM 24 JAM 79 1 SECONO AVERAGIMS INTERNAL STATIVES 152130\* PARTICLE SIZE DISKRALIONS (HUM BER/H\*\*3-M4)

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	996.0	ALT (KRI) 4.863	TEMP (C) -15.7	FR0STP01MT -28.8	TAS (M/S) 134.9	H (K/H3)	TOTALS 0.	54139	7 (38) 550.1	ALT (KN) 4,061	TEMP (C)	FROSTPOINT -20.8	TAS (M/S) 135.3	NT (N/H3)
	PRECIP					:::	• :	NETT ICIMG SPRAT TEST BY AFEL A ON 24 JAN 79 1 SECOND AVERAGINS INTERAL STRATICES SESTEM TO TYPES RAIN BRACKGROUND SAMPLE BACKGROUND SAMPLE	PRECI® PROSE		:	:::	::::	
INE	SIZE	158	1510	2132	3320	3914 4211 4588		4AY TEST 1 5E 428 152 133 14 16 15 14 16 14 16 14 16 14 16 14 16 14 16 16 16 16 16 16 16 16 16 16 16 16 16	SIZE	733	1541	2132	3023 3320 3320	331 421 431 430 430 430 430 430 430 430 430 430 430
BACKGROJNO SAMPLE	C. 000						•	NFT: ICING SPRAY TEST BY AFFIL  ICHT E79-84 OV 24 JAN 79 1 SECOND AVER  I 477844, STRIT #28152139*  PARTICLE 5176 NISTEROBIONS (NUM BER/40*3-N4)  TYPE! RAIN  BACKGROJMD SAMPLE	C.000			:::	;;;	
840	STZE (MU)	N P 6	1000	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1 4 7 7 7	266 266 366		14 04 14 14 14 14 14 14 14 14 14 14 14 14 14	3278	2 ± 6	100	142		198 298 208 208 208 208 208 208 208 208 208 20
	SCATTER PROBE		::::				•	NFT: ELIGHT E79-04 O4 E4TER PARTICLE SITE N	SCATTER PROBE			::::		
	SI ZE (MU)	~ ~	4 4 5	399	200	32.5	TE C		SIZE (MU)	N .+ u	* * * * * * * * * * * * * * * * * * *	339	2222	33 S B
	P (NB) 558.4	ALT (KH) 4.857	TENP (C) -15.8	FP0STP01NT	TAS (M/S) 135.1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1014LS	9 M E U	5 (ME)	ALT (KM)	TEMP (C) -15.7	FROSTPOINT -20.1	TAS (M/S) 134, 9	NT (N/M3)
	PRECIP							SY AFGL ECOND AVERA F/W++3-84)	PRECIP PROSE		•••	:::.	::::	
7	S12E (MU)	75	1241	2132	3023	3914 4211 4508		IV TEST ( 1 SI 1 SI 1 (NUMBEI	\$12E (MU)	171	1524	2132	3328	3914
SACKGROJND SAMPLE	C. DUJ	323					:	T2 ICEMS SPRAY TEST BY AFGL 1 24 JAN 73 I SECOND AVERAGING RAMIL STATE*** PS25237*** TYPE: RAIN (NUMBER/M**3-NY) TYPE: RAIN SAMPLE	C.IDU) P.2 09E		•••			
940	S126 (40)	N M 4	102	191	22. 22. 24. 25. 25. 26. 26. 26. 26. 26. 26. 26. 26. 26. 26	260 360 360		AFFT; -04 04 INTER: SIZE DI	S17E (40)	2 4 3	281	125	221 221 241	299 299 309 309
	SCATTER PROBE	•••			:222		• •	AFF FLIGHT E79-04, ON INTEL PARTICLE SIZE (	SCATTER PROBE				::::	
	SIZE (MU)	N. # 4		335	222	2 6 8 3 6 8 3 6 8	LWC WED 0		\$1.2E	~ ~	<b>~</b> ;;	:::::	2 2 2 2	9 8 8 8 8 8

TOTALS E.

30 LMC MED D

T074LS

C 80 0

egeneration control constitution from the property of the general constitution of the constitution of the

AFF7 ICING SP4/ FLIGHT E79-64 ON 24 J44 79 INTERVAL STARTIS- PARTICLE SITE DISTRIBUTIONS TYPES RAIM	FFT 1 SW 24 FRVAL TOIST	AFFT) ICING SPRAY TEST BY AFGL 1 ON 24 JAW 79 1 SECOND A INTERNAL STARTO-2815148* THE DISTRIBUTIONS (NUMBER/M**3- TYPE: RAIN	1 551 B1 1 5	EST BY AFGL 1 SECOND AVERACING 2148* UNDER/N**3-N4)	9. 10		FLIGHT E79-64 ON 24 JAM 73 PARTICLE SIZE DISTRIBUTION TYPE: RAIN	INTERNI SIZE DI	SENT ET9-66 ON 24 JAM 73 1 SECOND A SEC	5.5	1 SECOND AVERACING 92 42 42 42 44 44 44 44 44 44 44 44 44 44	94 19
		FIGHTS CHICOLASTO	14					BACK	BACKGROJNO SAMPLE	٦. د		
S	31	G.003	STZF	PRECIP	(48) d	SIZE	SCATTER	3718	5.0U3	3218 (MU)	PRECIP PROBE	658.8
3408E (4U)		P209E	3	P&0 9F	550.1			<u>:</u>				17007 4 17
		•	4 64	É	ALT (KM)	~1		53	ė	3		F. 6653
		•	1		4.861	.*	÷	m :	•	Š	: -	
			4	: 4		•	ć	9	•			TEMP (C)
•		•	1261	: 4	TENF (C)	•		29	•	7421	: -	-15.6
			1536		-15.6	<b>3</b>		201	•	5 2 2		
			1835			15	<b>:</b>	771	; •	21.37		FPOSTPOINT
			2132		FROSTPOINT	<b>:</b>	<b>.</b>	7	<b>.</b>	577	: 4	-50.0
			2429		-20.0	97	•	14.	; .	2726	: 2	
		,	2726			<b>9</b>	•	101	•	E 6 8 8	: =	TAS (M/S)
	9	_	3023		TAS (M/S)	2	•		; .	200		136.0
	21	•	3320		135, 3	₩.	<b>.</b>	77.	•	3617		
	-		3617	ě		<b>.</b>	•	4 -	: .	7161		Z1 (N/X)
			3914		X1 (X/M3)	92		9 6	•	4211	: 4	
		٠	4211		0.0	200	÷.	9 5		¥ 05 3		
	-		4 50 8	•		2	•	2	;			TOTALS
					TOTALS	3	ć		.0		, •	<u>.</u>
÷	-				•	1 1	• :		-		•	5
0		-		>	•	•						

AFFI: TOLMG SPRAV TEST BV AFGL
ELISHT E79-04, 04 - 24, JAM 79 - 1, SECOND AVERGINS
INTERAL STATIFFF 152145\*
PARTISLE STYE DISTRAUMS (NUMBER/West-M4)
TYPE: RAIN

	550.2	4.868	TENF (C) -15.6	F 005TP0 IN 1	145 (M/S). 134.8	NT (N/M3)	
	PROPE	,	: d d .				•
1	SIZE (MU)	547	1241	2132	3023	1914	
ろうじょうそう ション・ドロ	5,047 9,09£			 	ė dė l		•
3 2 2	SIZE	es es	62 19 19 19 19	122 142 161	181 201 221	286	
	SSATTER PRJ9E						
	317E (MU)	61 . <del>3</del>	s en 5	12 14 16	25 25 25 27 27 28 27 27 28 27 28 28 28 28 28 28 28 28 28 28 28 28 28	25 26 28	LWC MED D
	6 (MS)	ALT (KM)	TEMP (C)	FROSTPOINT -20.0	TAS (M/S)	CNX/N) LN	TOTALS 0.0
	PRECIP PR09E	•					
PLE	S12E (MU)	74	1241	2132	3023	3617	8
CKGROJNO SAMPLE	2,903		• • • •				: ;
946	3215	53	* W W S	223	191 201 201 201	26.00 26.00	5 0 r
	STATTER	•	• • •				
	SIZE	~		12 2 2 2	91 81 81 81 81	22.50	SE CAC

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1 10	AFFTS TOING SPRAY TEST BY AFGL	FLIGHT EFG-64 ON 24 JAN 79 1 SECOND AVERAGING	INTERNAL STARTS +28152146	CHE-PO-MINISTER CALIFORNIA (ALCOHOLOCAL)	TYPES RAIN
	AF FT.	70	INTER	126 01	_

TILLENT EFFORM ON AS AND TO ASSESSED TO THE STATE OF THE
FLIGHT EFFUR ON AS JAN 19 2 SECURE NATAREST STATISTICS SIZE OBSTREMENTONS (NUMBER/M**3-M*) [TYPE: RAIN

	F (MB) 550-1	ALT (KH)	4.061		TEMP (C)	-15.6		FPOSTPOINT	-19.9		TAS (H/S)	145.3		EM/M3)	••		TOTALS	÷	•
	PRECIP	:			;	;		•					:	;				•	•
PLE	STZE (MU)	7 (7	547	7 7 6	1541	1538	1935	2132	6246	2726	3023	3320	1617	7161	4211	4508			
BACKGROIND SAMPLE	5.653 •₹09E		.0	٥.					;	•			•						0
9ACK	164) 3718	23	<b>*</b>	6.9	95	707	12.2	142	161	191	201	121	242	26.3	280	3.10			
	SSATTER PROBE				•				•		•	:				•		÷	•
	SIZE (MI)	~	•	•0	•	20	21	3.	91	97	2	22	*	26	<b>62</b>	36		2	MED D
	P (MB) 550.1	ALT (KH)	4.861		TEMP (C)	-15.5		FROSTPOINT	-19,9		TAS (H/S)	134.8		NT (N/M3)	0.0		TOFALS	•	•
	PRECIP PRORE	•	•			•	•		•	•	•				:	•		:	•
7.E	S12E (MU)	7	249	7 76	1241	1518	1615	2112	6572	2726	1023	3326	3617	391 4	4211	4538			
GROSNO SAMPLI	5,003 2,096					•						•						•	•
BACK	312E	23	*	62	82	102	122	142	161	181	201	221	241	260	280	300			
	SCATTER PROBE	•		•												:			E
	SIZE	n.	*	•	•		12	•	16	13	20	22	2.	26	28	30	;	LYC	4ED 0

AFFT: ICING SPARY TEST BY AFGL
FLIGHT E79-04 ON 2 + JAM 79
I SETOND AVERAGING
I HERMAL STATITYPET 152147\*
PARTICLE SIZE 0.15TRENJIJANS (NUMBER/MW\*\*3-MM)
I YPET AAIN

	P (#8) 558.1	ALT (KH)	4.861		TEMP (C)	-15.6		FPOSTPOINT	-19.9		TAS (M/S)	135.7		MT (M/M3)	••		TOTALS	<u>:</u>	•
	PRECIP	:		•	•	:	:		<b>.</b>			<b>.</b>	•			<b>:</b>		•	-
, 1 <sub>0</sub>	SIZE	7 07	647	746	1241	1538	1835	2132	5429	2726	3623	3320	3617	161	4211	4506			
SACKGODIND SA4PLE	360 cs		•		3.	•		:	•	•					0.				-
3404	\$12E	23	£ *	62	62	102	12.2	142	161	181	201	22.1	74.1	260	29.3	300			
	SCATTER PROBE	•		:	9.			: :			•			;				•	-
	SIZE (MU)	۸,	.•		•	10	27	3	16	13	8	22	2	26	53	2		C HC	0 034
	6.055	ALT (KH)	4.863		TEMP (C)	-15.6		FROSTPOINT	-19.9	•	TAS (M/S)	134.4		NT (N/H3)	0.0		TOTALS	•	•
	PRECIP		•	•	:				•	9.		•						•	•
1.6	SIZF (MJ)	3	249	116	1521	1538	1815	2132	2429	2726	3023	3320	3617	3914	4211	4538			
GROJNU SAMPLE	6,03) 2109E			•			3.						•					•	•
9ACKG	SIZE (4U)	23	P)	62	82	707	122	142	161	191	20.1	721	241	260	289	398			
	SCATTER PROBE	÷		:		•	•		9.	•			:	:		;		•	•
	(UH)	AI	.+	٠.	-	91	12	4	1	13	7	22	36	92	62	200		Š	0 034

APT: ICTUS SPRAY TEST BY APG.
PLISHT EP9-04 04 24 JAN 79 1 SECOND AVERGING
INTERNAL STATIV-20152-44\*
PARTICLE SIZE DISTAINAS THUME Q/M\*\*3-89)
TYPE: BAIT

	(3E) 4 53E.4	ALT (ROY)	1.857		1646 (C)	-15.7		FEDSTPOINT	• • • • • • • • • • • • • • • • • • •		185 (E/Z)	2.1		KT (#/KT)	•		1974.5		•		F.11F.					25.	ALT (109)	£ 857		15.4	13.	FROSTPOTAT	13.6		145 m/SI	134.1			:	TOTALS		•
	PEC19			:	÷	:	<u>.</u>	÷	÷		<b>:</b>	•	<u>.</u>	:	÷	:		•	•	T AFGL	1 SECOND AVERAGING	( Mar 2 - eta /			010360	#654	••	÷	<b>:</b> .	<b>:</b>	: .			:	÷	•	<b>:</b>	<b>:</b>	<b>.</b>	:	4	•
¥	\$17E (MD)	3	Ì	*	1241	1536	1995	2132	5429	9242	3823	3326	3517	114	4211	4588				34° TEST 8	1 55	136 MAN SI		374	3215	Ē	3	ĩ	1 30	1561	1538	C 1 1 6	242	2726	1023	1211	3617	1914	1124	1236		
BHORES CAFFERDONS	C.00.3	,	:	<u>:</u>	<b>.</b> :		<b>:</b>	÷										ri.	•	1947 AG 1831 ARCO A DAICH SLEIF	FLISHT E79-C4 34 24 544 79	INTEDNAL STARTIONS (NUMBER/NESS-NA) PARTICLE SIZE DISTALBUILDNS (NUMBER/NESS-NA)	IVOCI RAIN	3 ldmf5 Omffcgb77f	2.00.7	8	÷		:	÷	•	:•			:	÷		<b>:</b>	i,			<b>.</b>
380	(A)	2.5		29	29	182	122	1.2	151	181	291	221	2.1	90	285	133				£ 1	FC 31	SIE SIE	_	346	3218	Ē	53		9	20	787	7 .	161	=	162	122	1.1	Z,	2	<b>P</b>		
	\$2ATTER.		: <b>.</b>		÷	÷		-				: 4		: .:		:		<b>.</b> :	•		PLISHT E79	PARTICLE			SCATTER	360ec	<b>:</b>	<b>:</b>		÷		<b>.</b>		: 4		<b>:</b>	÷	-	÷	÷	•	• :
	(fac) 2218	•		'n	•	9.7	7	:	16	51	2	3	*	52	2.0	<b>9</b>		Ş	r C3H						2112	ĵ.	~	•	'n	•	1	2	* •	1 5	2	25	2	92	23	2	•	0 0
	556.1	A1 7 (800)	123		TEMP (C)	-15.6		FROSTPOIRT	-19.9		TAS (M/S)		1	KT (M/HT)			TOTALS	:	•		9#15				( a	558.2	ALT (KOH)	- 96-	1	TEMP (C)	12.1	Tar Corporat			TAS (M/S)	134.2		#T (M/#3)	:	#TA: *		<b>-</b>
	36074 94096		: -:		<u>.</u>	<u>:</u>	<b>:</b>	-	:	:					÷	:		:	•	T AFSL	COMO AVERA	(44-1-44)			@EC19	940se	<u>:</u>	:	-	-	≟.	:.		: <b>-</b>	:	<b>:</b>	<b>:</b>		<b>.</b>	<b>:</b>	4	<b>-</b> :
7.6	\$12E (#4)	1	ī	i	1241	1538	1935	2132	2429	2726	3823	3326	1617	3914	4211	159 E				Y 7531 B	1 3	(1827143) (18041814		ĨĒ	3218	Ĵ	;	ż	ž	1721	1536	0 4 4 0	26.7	2726	3823	3328	3677	191	177	r X		
Blakes Gardes	2. <b>6</b> 63	2		<b>:</b>	•	-		<b>:</b>	-	:		:		•		<b>:</b>		÷	U	Jean Telles spoke Test by Aes.	24 343 73	CALEGRAPH SHOULD SHOULD THE TAKE THE STREET	TYPE: SATE	BACKGROJNO SAMPLE	30	350 60	÷	÷	•	:	<b>.</b>			<b>:</b>	<b>:</b>	-	-	•	<b>.</b>	:	-	<b>-</b>
940	\$174	23	'n	62	15	761	123	1.2	191	191	28.1	221	7-7	36.	191	<b>**</b>				Tags	NO 181	ST 22 0	_	940	3178	ê	23	m	No i	2	115	7 7 7	161	=	71	2	7.7	2	261	?		
	SCAFTER PROBE	į	: =	<b>:</b>	<u>:</u>	-	<b>:</b>	<b>:</b>	-	•		:		÷	•	<b>:</b>		<b>.</b>	-		FLIGHT SA	PARTICLE			STATTER	36C2c	98+328*9	<b>:</b>	<b>.</b>	<b>:</b> .	: .			:	:	<u>.</u>	<b>.</b>	<b>:</b>	<b>.</b>	:	9. BSE-88	2
	2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	*	*	•	•	7	12	1	42	3	2	2	ä	X.	60	3		3	E 62						2715	ê	۸,	*	۰ هـ	• ;	30	: :	91	13	23	2	2	92	<b>5</b> 2	Ŗ	3	8

14C 9.16E-18

NFT: TCTME SPRAY TEST BY AFGL
FLIGHT ET9-84 ON 24 JAM 79 1 SECOND AVERGING
INTERVAL STATE-29152525\*
PARTICLE SIZE DISTABLITIONS (NUMBER/H\*\*3-H4)
TYPES RAIN

AFFT TOTME SPRAY TEST BY AFFL FLEWT EFF-SK-ON 25, JAM 73 1 35,0000 AVERACING TYTERSESSESSES TYPER STREAM STRATESSESSES TOTME EXPENSIVE STREAM STREAM

SAMPLE
SACKGROUND

	5.188 558.2	ALT (KM)	F. 668		TEMP (C)	-15.7		FPOSTPOINT	-19.6		TAS (M/S)	134.6		KT (N/H3)	:		TOTALS	<u>.</u>	•
	PROBE	÷	•	÷	<b>:</b>	÷	:	÷		•	<u>.</u>	;	•	<u>-</u>	÷	-		:	-
IPLE	312E (MD)	3	3	*	1541	1518	1835	2112	5429	2726	3423	3328	191	7161	4211	4588			
ACKGROUND SAMPLE	C.003	3,		•	•	<u>:</u>		3.		•									-
940	\$12E	23	,	29	5.6	182	123	142	161	191	23.1	22.1	26.1	261	255	300			
	SCATTER PROBE	6.885+36	6.89E+16				-	<b>:</b>			:		ن		•			6.58E-87	•
	\$17E (MU)	~	•	٠.	•	97	15	-	15	57	28	22	ž	26	<b>\$2</b>	30		2	#E2 0
	P (Mg) 958.3	ALT (KM)	4. 859		TENP (C)	-15.7		FROSTPOINT	-19.8		TAS (M/S)	135,1		NT (N/M3)	٠.		TOTALS	•	•
	PRECIP	3	:	<b>:</b>	:	:	:			÷	-	<u>:</u>	•	9.	:	•		<b>:</b>	•
31	\$12E (MU)	3	249	716	1241	1518	1935	2132	5429	2776	3023	3326	1617	3914	4211	. 50 6			
CKGROJNO SAMPLÉ	5.003 P209E	:	<b>:</b>		:	:							•	:	•	<u>:</u>			-
840	\$12E (40)	23		62	8	707	122	142	161	181	23.1	22.1	241	2,5	283	33.0			
	CATTER								•						<u>:</u>	•			•
	•	-	•	•	•	•	•	•		•	•	•	•	•	•	•		•	

AFFT ICING SPORT TEST BY AFGL
FLIGHT E79-04, ON 24, JN 79 1.35.0MD AVERNSING
TYTERAL STATINGESTSSSS
PARTICLE SIZE DISTRIBUTIONS (NUMBER/MPN3-NUM
TYPE: RAIN AFFT 151MG SPRAY 7EST BY AFSL FLISHT E79-04-04 24 JAM 73 1 SECOND AVERMSING I ITERAL STATE PET 152153\* PARTICLE SIZE 01574PAITJUS (NUM 924/M\*\*3-M4)

	0 (#81 958.4	ALT (KH)	1682	1EMP (C)	-15.7		FROSTPOINT	79.8		115 (M/S)	17:1		NE (N/M3)	-		TOTALS	<u>.</u>	•
	PRECIP	•	: :				•	:	-	÷		÷	<b>:</b>	-	÷		<u>:</u>	•
576	\$12E (47)	3	3 3	1241	1518	1935	2132	6242	2726	3823	3328	3517	1914	4211	4518			
BICKEROIND SAMPLE	5.0J3					•	ë.	;				<b>.</b>	<b>e</b> 1		<u>-</u>			-
9464	3718	£	£ 6	6	102	122	142	191	181	201	22.1	141	260	293	39.9			
	SCATTER PROSE	6.835+86	: .					•			:			-			9.176-18	~
	S1 2E	<b>A</b> I	.+ ·(T	•	10	12	<b>: :</b>	91	13	23	22	*	9	<b>58</b>	8		) L	MED D
	7 (48) 958.1	ALT (1983	** 651	TEMP (C)	-15.7		FROSTPOINT	-19.8		TAS (M/S)	134.8		NT (N/HZ)	<b>T.</b>		TOTALS	:	•
	PRECIP	•	• 6	•		•	<b>-</b>	•	<b>:</b>	<b>:</b>	•		÷	-	<b>:</b>		;	-
1	SIZE	3	1 2 2	1241	1538	1835	2132	5429	2726	4823	1320	3617	3914	4211	4588			
KGROJUD SAMPLE	2.00.5 2.09.5	•	• •			;	•	•		<u>:</u>	•	÷	•	•	÷		<b>:</b>	-
940	S12E (49)	23	6 4	29	192	122	142	161	181	20.2	22.1	242	269	281	381			
	SCATTEK 220BE				<b>:</b>	<b>:</b>	<b>:</b>	<b>:</b>	<b>:</b>	-	<b>:</b>	-	<b>:</b>	:	•		<b>:</b>	-
	SIZE	<b>N</b>	+ 10	•	=	77	=	16	=	2	2:	÷	<b>3</b> 6	<b>5</b> 2	*		ž	

THE CONTRACTOR STREET, SALES OF THE PARTY OF

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\$12 (MS)

AFFT3 TOTMS SPRAY TEST BY AFGL	JAM 79 ' 1 SECOND AVERAGING	STA2T1*2#152195*	RIBUTIONS (NUMBER/H=+3-44)	TO RAIN
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FLIGHT EP9 PARTICLE	46 04 147 ER	AFFT: TOTME SPRAY TEST BY AFGI FLIGHT EPG-84 OH 24 JAM 79 ' 1 SECOND A TYPERAL STARTH-201921559 PARTICLE SIZE OLSTREBUTIONS (NUMBER/M+++)	V TEST   V 1 3   6152155   CNUMBE	'Y TEST BY AFGL ' 1 SECOND AVERAGING '8152854 ' (NUM BER/W*3-84)	9 9		AFFT3 ICING SPOPEL ON Z4 JAN 79- INTERNAL STRATE PARTIZLE SIZE DISTRIBULISH IMPER RAIN	AFFT3	AFFT ICING SPGAV TEST BY AFFT IGHT EFF BY AFFT IS ECOND A TAREAGE STATE PARTICLE STEE DISTRIBUTIONS (NUMBER/MPOST PARTICLE STEE DISTRIBUTIONS (NUMBER/MPOST PERTICLE STEE DISTRIBUTIONS)	E 70 E	TEST BY AFGL 1. SECOND AVERACING 152:55* (NUM BER/M**3-N4)	5 TR C
	340	SACKEROJMO SAMPLE	F.					BACK	BACKERJUND SAMPLE	٩ć		
SCATTEP PROBE	3718	C.003	\$126	PRECIP PROPE	6 (MB)	SIZE	SCATTER PROBE	\$17E	5,003 93 03£	SIZE (MU)	PRECTO PROSE	P (MR) 558.2
		Ġ	47.4	ć	A1 T (KM)	٨	6.655+05	23	•	3		ALT COM
: =	*	; <b>-</b>	3	: 4	4.00	1 .4		m,	:	3		4.868
	62		716		:	۰.۵		62	.;	716	÷	
			1241		TEMP (C)	•		6	;	1241		TEMP (C)
	185		1538		7.57	-		182	•	1518		-15.7
	122		1836			-	-	122	13	1815	<u>:</u>	
			24.42		TOCATOCATA	: :		291		2132	9.	FROSTPOINT
	161	• •	24.29	: -	4.00 to	9 -		191	<b>.</b>	5429	•	-19.8
	181	: ;	2726			5	d	191		2726	:	
	784		1823		196 (8/6)	2		,		3823		TAS (M/S)
	121		3320		111.	?		72.1	;	3320	;	133.6
	1+1		3617			2.		147		1617	÷	
	26.9		3914		MT (M/M3)	56		268		3914	<b>.</b>	MT (M/H3)
	299		4211			23	•	289		+211	:	•
•	100	,,	4538			2		333	•	4588		1
				;	TOTALS							TOTALS
		;				3	9.13E-09		•		;	-
•		•		-	•	0.034			43		-	•

AFFT, TOTAG SPRAY TEST BY AFSL FLISHT E79-D4, D4 2+ JAN 79 1 3E-OMD AVERYSING TATEARS STRIPSE 152859\* PARTICLE SIZE DISTABULIONS (MUMPERAMOS=MM)

	6 (MB) 558.1	44.7 (100)	4.861	,	TEMP (C)	-15.7		FROSTPOINT	7.67		TAS CH/S)	183.3		MI (M/M3)	2487.3	,	TOTALS		<b>;</b>
	PRESID			ë	÷	;	•		÷	<u>:</u>	ċ	÷	÷		<u>.</u>	÷	,	:	•
<u></u>	SIZE (MJ)	101	7 40	7 76	1241	1538	1935	2132	5429	2726	1923	1326	3517	3714	<b>4211</b>	4 50			
SACKGROUND SAMPLE	5.0J)	•		1.235+65		.9	;	÷	•					÷		<b>:</b>		3.1%	š
9 <b>W</b> C	S17E (+1)	23	۴,	52	95	182	122	143	161	191	102	122	24.5	263	281	30.0			
	524FTER 2409E								<b>.</b>				<b>:</b>		<b>:</b>	-		:	<b></b>
	517: (MN)	•	•	•	•	7	1.2	3	16	1.9	28	22	5.	56	<b>82</b>	82	1	9	MED D
	(M8) d	ALT (KM)	4.864		TEMP (C)	-15.7		PPOSTPOTMT	-19.8		145 (M/S)	133.6		WT (M/M3)			TOTALS	:	•
	PRECIP	3.	•										-	-	•	-		:	-
1.5	312E (M))	3	2*4	116	1241	1538	1835	2132	5459	2726	3825	3326	3617	191 4	6211	4508			
STEMES ONFCHE	7, <b>DU</b> 3		•		.;	٠		-	•	•		÷				<b>:</b>		-	•
37046	STZE (49)	23	E y	6.9	9.2	281	122	241	161	191	102	221	<b>3</b> •1	163	583	400			
	SCATTER PROBE	:	-	•	•		-	<b>:</b>	:	÷	<b>:</b>	-	-		:	<b>:</b>			•
	\$12E (30)	N	.•	10	•	=	12	•	16	13	2	22	\$2	92	53	8		2 i	2

212E (400) 9 12E (400) 12E

AFFI ICING SPRAY TEST BY AFGL
FLIGHT E79-15 ON 25 JAN 79 1 SECOND AVERAGING
INFERAL STRETI-E111.100\*
PARTICLE SIZE JISSERBUTIONS (NUMBER/NO\*3-NU)
TYPE: RAIN

AFTI ICING SPRAY TEST BY AFGL
FLIGHT F79-05 ON 25 JAN 79 1 SECOND AVERACING
INTERVAL STAFF® 21114182\*
PARTICLE SIZE DISTRIBULIONS (NUMBER/M\*\*3-MM)
IYPER RAIN

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	o (MB) 563.1	ALT (KM) 4.587	TEMP (C)	-26.7	FPOSTPOINT	-31.0		147 (4/5)		NT (N/HT)	5.8	TOTALS	6.525-84	613			562.8	ALT (KM)	4.691		TEMP (C)	-26.7		FROSIPOINT	-31·B	TAS (M/S)	164.4				TOTALS	- :
	PRECTP	1.416+91		:	•		•	•				•	6.52E-04	633	2/He*3-H4)		PROSE PROSE	:	•		•	•	•	<b>.</b>			ċ	<b>.</b>	•	: 4		
PLE	SI7 <sub>E</sub> (MJ)	404	1241	1538	1635	2429	2726	3023	1617	3914	4211	4538			2,114103 S (NUMBE: PLE		SIZE	704	64 7	716	1241	1538	1835	2132	2726	3823	3326	3617	3914	905+		
983KGROUND SAYPLE	260% 01040			•		•		<b>.</b> .	: :			;	•	7	INTERNAL STATIBLE STATES THE STATES AND SARTICLE SIZE DISTRIBUTIONS (NUMBER/MORS-MAN) FOR I RAIN SARTICLE SIZESOJNO SAMPLE		380÷a	;				:	;	<b>:</b>	• •			<b>.</b>		::	,	
C16	721S	10 M	8 8 8	132	122	161	191	231	241	255	762	<u> </u>			TATES E SIZE D		SE 7E (47)	5	÷	9	82	102	122	142	191	2 6 2	221	3,0	240	6.0		
	SCATTER PROBE			•					• •		•		:	0	PARTICL		SCATTER PROBE		•	•	;	:	<b>.</b>					ė			•	
	S12:	NI →P	<b>ιΩ 40</b>	1.0	12	91	<b>S</b>	88	2 22	25:	52	22	CMC	MED 3			(DH)	~	*	٠,٠	•	13	15	<b>:</b>	16	2	22	2	2P	38	•	HED 0
	P (M8) 563.4	ALT (KH) 4.682	TEMP (C)	-56.6	THICOTOCA	-34-1		TAS (H/S)	144.0	NT (N/M3)	5.0	9 17 10 1	101 ALS 6.50E-04	633			P (MB) 563.2	ALT (KH)	4.585		TEMP (C)	-26.7	1	FROSTPOINT	-31.0	TAS (H/S)	26402	;	N1 (N/K3)		TOT ALS	•
	PRECIS PROSE	3.75F+00 1.47E+J1					•		•	; ;		•	6.50E-34	633	SIARTI*21114101* IIJUTIONS (NUMBER/4**3-44) I PAIN		PRECIP PROSE	•		:		•					:			: :		•
, LE	SIZE (MU)	404 647	1241	1538	1835	242	2726	3023	350	3914	4211	4536			1114101° ; (NU49£2 !	!	(NH) 321S	707	249	746	1241	1530	1835	2132	242	1923	1320	3617	3914	1217		
BACKGROUND SAMPLE	5,000 P209E				•	: .:		÷.	• •			9.		•	INTERNAL STAFTFEDILLEDIP Size Distributions (Muybez/4403-44) Iyogi qain balkasojno sample		CLOJO						J.			•		:	٠.			
940	312E (40)	M M	62 92	132	721	101	191		777	397	280	343			E SIZE D		\$1.2E	53	eri St. J	62	82	102	122	142	161	107	221	241	1.60	300		
	SCATTER 2408£	::	• •	:	•			;	•			:		<b>E</b> >	PARTICLE		SCATTER P233E						:	•		: -		•	•	: :	,	

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TEST BY AFGL	1 SECOND AVERAGING	1518.	NUR BER/N** 3-AN)	
AFFES ICING SPRAY TEST BY AFGL	IGHT E79-15 OF 25 JAN 79	INTERNAL STARTIFE111	PARTICLE SIZE DISTRIBUTIONS (NUMBER/H**3-HH)	TYDE 3 RAIN

\$1.25 (MU)

67.06		P (MB) 561.6	ALT (KH)	4.786		TEMP (C)	-26.6		FROSTPOINT	-31.0		145 (M/S)	143.9		NT (N/H3)	8.6		TOTALS	<u>.</u>	•
TEST BY AFGL 1 SECOND AVERAGING 14:16:		PRECIP		9.		•		•	•			9.	3.			•	:		:	6
F 15	376	\$12E (MU)	101	249	116	1241	15.8	1835	2132	545	2726	3023	3320	3617	3916	4211	4588			
AFTI ICING SPAN TEST BY AFGI FLIGHT 279-85 ON 25 JAN 79 1 SECOND A INTERNAL STRITE 2114:160* PARTICLE SIZE DISFARBUTIONS (NUMBER/MO*3-	BASKGROUND SAMPLE	3802d				:			•							3.	•			•
0 221S	845	\$1.2E (4U)	61	E 4	62	82	102	122	145	161	181	201	221	241	250	786	10 P			
FLIGHT EPS PARTICLE		SCATTER PROBE	÷	•		÷		;				•	•		ė				;	9
		\$125 (MU)	61	•	٠	•	3	77	<b>1</b>	16	119	53	2	*2	56	62	30		Ş	MED D
942		P (MB) 562.4	ALT (KM)	4.695		TEMP (C)	-26.7		FROSTPOINT	-31.0		TAS (M/S)	145.2		NT (N/M3)	5.8		TOTALS	6.47E-04	PD 900
ST BY AFEL 1 SECOND AVERAGI 18% 18% NOT NOT STAND		PRECIP	8.71E+00	1.396+91	•		÷	:	:	:	;	-		÷	;	9,			5.47E-74	633
1 18	LE	S12E (MU)	;	249	346	1241	1538	1835	2132	6242	2726	3023	3720	3517	3914	4211	4508			
AFFISHT E79-35 OF 25 JAN 79 1 SECOND A LYTEVAL STATIO E111A194- STATIO E111A194- PARTICLE SITE DISTRESHING (NUMBER/MOST-TYPE: RAIN	BACKGROJNO SAMPLE	CLOU3 P-108E	"	•	•		•	-	:			•		:	-	<b>:</b>		•	•	-
AFFF 14152 14152 E SIZE D	940	SI ZE (40)	23	en de	9	82	102	122	142	161	181	201	221	247	395	298	300			
PLIGHT E79 PARTICLE		SCATTER PROBE		•	<u>:</u>			•			•	•	•		ċ		•	•	•	•

AFFTO ICING SPRAY TEST BY AFGL FLIGHT F79-65 ON 25 JAM 79 1 SECONG AVER INTERNAL SARTIFOLIANDS* PARTICLE SIZE DISTRIBULIONS (NUMBER/M**3-M*)
---

AFFL FLIGHT E79-15 ON 25 JAW 73 I SECOND AVERAGING INTERVAL STATITEZELATOFF
DARTICLE SIZE DISTIBULIONS (WUNDER/HWW3-WY)

	P (#8) 561.3	ALT (XH)	4.710		TEMP (C)	-26.8		FROSTPOINT	-30.9		TAS (M/S)	143.9		NT (M/H3)	5.8		TOTALS	6.535-04	633
	PRECIP PROBE	0.736+00	1.416+01				•	•					•	•		:		6.535-04	633
tPLE	S17E (40)	101	3	776	1241	1538	1835	2132	2429	2726	3023	3320	3617	3914	4211	4 50 8			
SACKGROUND SAMPLE	5,000 P 0 09.				;	;	:	•											•
9ACA6	31.2E (4.J)	23	£.	29	82	102	122	145	151	181	201	221	241	260	280	303			
	SCATTER PROBE				•	•	•	;			:		:	:	•			•	<b>3</b>
	SI 25 (MU)	٨.	.#	'n	•	3	12	1	16	13	20	22	<b>5</b> 7	92	<b>52</b>	30		SH.	MED D
	P (M8) 561.9	ALT (KM)	4.702		TEMP (C)	-26.7		FROSTPOINT	-31.0		TAS (M/S)	144.6		NT (M/M3)	0.0		TOTALS		•
	PRECIP		-	•	:	•	•	÷				:				•		•	9
PLE	SIZE (MU)	7 07	2 49	746	1541	1538	1835	2132	6242	2726	3023	1326	3617	3914	4211	4580			
KG20:JNJ SAMPLE	5_0J3			•	•		•	•	:	:	:	:		-		•		•	
34.2KC	\$12E (40)	5.3	£4	52	20	105	122	7 42	191	181	231	221	241	250	282	380			
	SCATTER PROBE	:	-	:	<b>:</b>	•	<u>.</u>					<b>.</b>	•	<b>.</b>	÷.	:		:	•
	SIZE	61	.•	'n	•	91	77	*	9		2	25	*	S	8;	9	•	2 6	2

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EST BY AFGL	1 SECOND AVERAGING	.8.	UN BER/4883-84)	
APPTS ICING SPRAY TEST BY AFGL	5 D4 25 JAN 79	INTERVAL START 6+21614	IZE DISTRIBUTIONS (NI	2040 . 6172
	1647 E79-3		PARTICLE 3	

16 196		7.48)	ALT (KM)	4. 718		TEMP (C)	-56.4		FROSTPOINT	-30-	1	TAS (M/S)	143.9		MT (M/M3)	••		TOTALS	•	Þ
TEST BY AFGL 1 SECOND AVERACING 114118* (HUMBER/A**3-HM)		PRECTP	•	•	<u>:</u>	:	÷	:	:	•	<u>-</u>		•	<b>:</b>	<b>:</b>	ė.	•		•	<b>D</b>
17 TEST 8 1 SE 24 C14 C18* 5 (NUMBER	316	STZE (MU)	;	<b>~</b> 49	116	1241	1538	1835	2132	5459	2726	3423	3326	3617	3914	4211	4508			
AFFI ICIMG SPRAV TEST BV AFGL ELIGAT E79-65 OM 25 JAM 79 1 SECOMO AV INTERVAL STARTVEZELEGES PARTICLE SIZE OZSTROUTOWS (NUMBER/M++5-1)	BACKGROUND SAMPLE	CL00J	"	-	•	;	÷	-					-	-	es	•				•
46FT. 101ER	0.10	3212	23	M J	62	92	132	122	162	161	181	231	221	241	26.	280	397			
FLIGAT E79 PARTICLE		SCATTER PROBE	å														•		•	6
		\$12E (MD)	•			•	10	75	16	91		28	22	24	2	23	8		LNC	MED 3
45 2 MG		P (MB) 561.0	ALT (KH)	4.714		TEMP (C)	-26.7		FROSTPOINT	-36.9		TAS (M/S)	143.8		NT (N/M3)	<b>5.</b> 0		TOTALS	•	•
ING SPRAY TEST BY AFGL. JAM 79 1 SECOND AVERAGING STARTIFE-21114:080* EUSTIONS (NUMBER/Wee3-M4) I RAIM		PRECIP PROBE		:			;		•	:		•				•	•			•
IME SPRAY TEST BY AFGL JAN 79 1 SECOND A Starte-21114188* Ibutions (Munder/Mess- I Rain	Ĭ	SIZE (MU)	101	547	796	1241	1536	1835	2132	2429	2726	3923	3320	3617	3914	4211	4508			
	9A3<620JND SAYPLE	CLOUD P. COBE	Ġ	-	3.		•	:		•	•					:	:			•
AFFTS IC 135 DW 25 INTERVAL 312E DISTR	9A24	512E (40)	E C	£,	29	8	102	122	162	161	1.51	231	221	242	200	80	30:			
AFFTS COV 25 FLIGHT EPG-35 OW 25 INTERVAL PARTICLE SIZE DISFI		SCATTER PROBE					: -	•	_			4		: ;	-		<b>:</b>		-	•
		(NH)	N		with	•	=	2	**	16	57	2	22	2		82	F		Ę	C OJH

AFT2 TOTMG SPRAY TEST BY AFSL PLISAT E79-35 2N 25 JAW 79 1 SECOND AVERWING INTERVAL STATT+2114:03" PARTICLE SIZE JISFARAUTIONS (NUMBER/M+83-44)

AFFI: ICING SPARY TEST BY AFFI.

F\_IS4T E79-J5 ON 25 JAN 79 13 ECONO AVERASINS
INT: 24AL STREFS1114811\*

JARTICLE STZE DISFRAUTIONS (NUMBER/W\*\*S-M4)

TYDE: RAIN

	7 (HB) 4	ALT (KM)	TEMP (C)	FROSTPOINT -38.9	TAS (M/S) 153.9 NT (M/N3)	5.6 TOTALS 6.53E-84 683
	PRECIP PRO9E	6.79E+38 1.41E+81				6.53E-94 6.53E-94
PLE	\$12E (MU)	121	1598	2132	3823	4291 4291
SACKGROUND SAMPLE	C_0J3	200				
GA.E.	\$175	60 M N	128	142	261	9
	SCATTER PROBE	, i i				•
	SI ZE (MU)	N 2 1	n en ca (	2449	222	23 38 14 0 14 0
	P (MB) 561.8	ALT (KM) 4,714	TEMP (C) -26.6	FROSTPOINT -38.9	143.8	10TALS
	PRECIP PROSE			 		
).E	SIZE	4 7 4 6	1241	1835 2132 2429 2726	3823	4211 4511
GROUND SAMPLE	CL OUD PRO95					
94CK64	\$175	50 AT 0	1000	162	221	2 G U E
	SCATTER 2238E					•
	S12E	KI JE U	*3	2445	8888	

The second secon

	GING			
BY AFGL	ECOND AVER	INTERNAL START 3-21:14:12*	S/Hees-Hall	
PRAY TEST (	1 21	1 2 2 1 1 1 4 1 12	ONS (NUMBE)	
TO ICIME S	25 JAN 7	RVAL START	31 ST 21 PUTI	TYPE : BATM
160	E79-05 04	INI	TOLE SIZE	
	7.1647		PART	

16 I 165		P (HB) 559.9	ALT (KH)	4.729	;	TEMP (C)	-56.7		FEOSTPOINT	6.02-		TAS (M/S)	144.5		NT CN/M3)	9.0		TOTALS		
EST BV AFGL 1 SECOND AVERAGING 4114* UMBER/M**S-MM)		3803d				-		•	:	Ġ	÷		•	ė	•	÷	:		:	•
V TEST B 1 SE 1114114*	31	SIZE (MU)	707	647	7 96	1241	1538	1835	2132	2429	2726	3823	3 326	3617	1914	4211	4500			
AFFI IDING SPRAY TEST BY AFFI 164T E79-05 DV 25 JAN 79 1 SFEDMO AVER 1 VIEWAL STRATIVE 114414* PARTICLE SIZE DISTRIBUTIONS (MUNGER/MOSS-WW)	SACKGROUND SAMPLE	CL0UJ P-208E	.:	÷		•	-			-			;		:		:		-	n
45 04 1415RV Size of	98.05	512E	23	£.3	29	95	112	122	1.42	161	101	211	221	241	250	280	330			
AFFT FLIGAT E79-05 04 INTER PARTICLE SIZE )		SCATTER PROSE		-		•		•		•					: -		:		;	8
		SIZE (MU)	^1	•	•	•	3	15	*	16	13	2	2	57	25	92	30		140	C C3M
PAGING		P (MB) 560.2	ALT (KM)	4.725		TEMP (C)	-26.5		FROSTPOINT	-36-9	i	TAS (H/S)	143.8	•	NT (N/H3)	0.0		TOTALS		•
EST BY AFGL 1 SECOND AVERAGING 1412* IUM BER/M**3-M*)		PRECIP PROSE															:		0.	•
Y TEST BY 1 SEC 1814-142* (NUM BER.	ונ	\$12£ (MU)	7 0 7	64.7	746	1241	1538	1935	2132	2429	2726	1023	3320	3617	+16.	4211	4508			
AFFT; ICING SPRAY TEST BY AFFGL IG4T E79-05 ON 25 JAN 79 1 SECOND AVER INTERES STATES STATES STATES SAMUNBER/MESS-MH) TYPE: AZIN	SACKEROUND SAMPLE	CL 0U3						•								:-			9.	•
AFFT3 IG 1475 ON 25 1475 ON 25 1775 3175 3175	3AC.	37.15	5	M	62	8	102	122	1 60	161	12.	282	200		90	283	360			
AFFT FLIGHT E79-05 OW INTER PARTICLE SIPE D		SCATTER PROBE			-				-										•	•

AFFICITING SPRAY TEST BY AFFIL 1 SECOND AV 1 SECOND AVAL STRIFF 1111118 PARTICLE SIZE DISTRIBUTIONS (NUMBEZ/MFFF)
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AFFIZENCE SPRAY TEST BY AFFIL FIGHT E79-35 ON 25 JAN 79 1 SECOND AVERASING TATER TRAFILE STATES TRAFILE STATES TRAFILE STATES TOTSTAUL STATES THE STATES TATES TAT

	559.8	ALT (KOH)	4.731		TEMP (C)	-56.6		FROSTPOINT	-36.9		74 S (M/S)	145.1		M (M/H3)	9.6	3		**************************************	
	PRECTP PROME	8.72E+18	1.40E+01		-	9.	•	ä	:	ċ	-	÷			;	÷		6.48E-94	2
P.F.	S12E	4	3	446	1541	1538	1635	2132	5429	2726	3023	3326	3617	3914	4211	4598			
SACKSPOUND SAMPLE	51.000 P 2.09E					•		;		-	:	<u>.</u>	•	÷	<u>.</u>	÷		:	•
30.00	31.26	2.3	, to	62	82	132	122	241	151	191	291	221	241	760	192	300			
	52ATTE2 2303E	:						•			•	÷		<u>:</u>	<b>:</b>	<u>:</u>		:	-
	SI ZE	^			•	3	12	=	15	87	2	22	*2	92	\$2	æ		CHC	0 034
	(48) a	1 L L	4.724	•	TEMP (C)	-26.6		FROSTPOINT	-30.9		TAS (M/S)	144.7		MT (M/M3)	5.0		TOTALS	6.58E-04	643
	PRECIP	1.755438	1.49E+31						•		:	•	•		•	:		6.588-84	6 33
16	SIZE	164	647	796	1241	1538	1035	2132	5459	2726	3023	3320	3517	3914	4211	458 6			
GROUND SAMPLE	31033	!			•	-		:				-			<u>.</u>	-		:	•
9.A.C.K.C	St Z :		n en di at	6.5	82	1.62	122	142	161	181	201	221	241	268	882	308			
	SOATTER				· -		<b>:</b>	<b>:</b>	:	<u>:</u>	•	<b>:</b>	•	:	-	<u>:</u>		;	•
	SIZE	^			•	19	12	=	16	87	2	22	<b>92</b>	52	28	<b>5</b>		3	

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LIGHT 274 PARIICLE	1465 04 INTER	LIGHT 279-85 ON 25 JAN 79 INFERMAL STARTIC 23 JANES ARTICLE SIZE DISTRIBUTIONS TYPES RAIN	1 SE 1 ONUMBER 1 ONUMBER	19 1 SECOND AVERACING 10-211/416* CONS (NUMBER/H**3-RM) IN	9179		FLIGAT E79 PARTICLE	HC STS DE	FLIGHT E79-69 ON 25 JAN 79 INFRAMAL STARTIFEL PARTICLE SIZE DISTRIBUTIONS ( TYPE: RAIN	4 4 5	52COMD AVERAGING 18 * ER/M**3-N4)	6136
	0.40	BASKEROJNO SAMPLE	LE					9ACK	SACKGROUND SAMPLE	7.E		
CATTER P2085	\$12E (40)	CL 0U3 P108E	\$12E	PRECIP PROBE	P (48)	(OH)	SCATTER PROSE	\$12E (4U)	CLOUD 9205E	\$12£ (MU)	PRECIP	F (MB)
_	23		3		ALT (KM)	61		23	:	7 0 7	:	ALT (KM)
	) J	:	1	:	4.731			2		647	:	4.736
	62		**6		ı	•	;	62		776	•	
	95		1241		TEMP (C)	•	•	82		1241	<b>:</b>	TEMP (C)
•	102	:	1538		-26.7	10	j	182	-	1538	÷	-27.1
	122		1835			12		122	-	1035	÷	
•	243		2132		FROSTPOINT	3		145		2132	<b>:</b>	FROSTPOIN
• •	161	•	5429		-38.9	91		161	:	6242	<u>:</u>	-38.9
	191		2726	=		18	-	181		2726		
	201		3023		TAS (M/S)	82		231	•	3023	•	TAS (M/S)
•	221		3 32 0		145.1	22	•	124		3326	:	145.3
· _•	147		3617			\$≥	.5	241	•	3617		
	365	:	3914		NT CN/H3)	52		254	:	3914		MT (M/M3)
	285		4211		<b>6.6</b>	82	•	286	•	4211	•	፧
	300		4596			36	;	300		4 50 8	-	
					TOTALS							TOTAL
•				•		CNC	:		•			<u>.</u>
۰		•		•	•	MEO 3	0		•		•	

AFFI ICING SPOAV TEST BY AFSL FLIGHT E79-05 ON 25 JAN 79 1 SECOND AVERACING INTERAL STATIC-2114413\* PARTICLE SIZE DISTREBUITONS (NUMER-2/H003-HM)

AFFI ISTAGE SPRAY TEST BY AFFE.
FLIGHT E79-35 ON 25 JAN 79 1 SECOND AVERAGINS
INTERVAL STRATI-22114117\*
PARTIZLE SIZE OESFARBUTIONS (NUMBER/M\*\*3-NY)

	P (MB)	ALT (KH)	TEMP (C) -27.1	FROSTPOINT -38.9	745 (M/S) 165.6	MT (N/M3) 5.8	10TALS 6.45E-84 613
	PRECIP	1.39E+81					6.45E-34 633
PLÉ	SIZE (MU)	353	1241	2132 2429 2726	3823 3326 3617	3914 4211 4588	
943KGROUND SAMPLE	01.0J3	 	, 				•
943	31.2E (4.J)	2 + 3 2 + 3	102	191	221	20 00 00 00 00 00 00 00 00	
	SCATTER PROBE					•••	
	SI ZE (MU)	01 <b>3</b> 4	. 4 4 5	1398	22.22	222	LWC MED 3
	659.6 559.6	ALT (KM) 4.733	TEMF (C) -27.0	FROSTPOINT -38.9	TAS (M/S) 144,7	Z (Z/Z) LZ	TOTALS 8.
	PRECTP PROSE					•••	•
a E	STZE (MU)	149	1241	2429	3023 3326 3617	3914 4211 4588	
BACKGROJNO SAYPLE	05.00	å de					•
940	\$12E (40)	10 to 10	102	161	201 221 241	286	
	SCATTER PROBE	000					-
	SIZE	NI .# W		1 4 2 5	202	58 F	TED D

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AF"IS ICING SPRAY TEST BY AFGL	-83 ON 23 JAM 79 1 SECOND AVERAGING	INTERVAL STARTIF 21114120*	SIZE DISTRIBUTIONS (NUMBER/Mess-ma)	TABLE DATE
1:44	33 ON	I VI ER	\$ 32.IS	
	E79-		ICLE	
	TEHT		PART	

<b>6</b> 116		P (#8) 559.6		4.733		TEMP (C)	-26.9	1	FPOSTPBINT	0.0K-		TAS (M/S)	1.65.4	1	NT (B/M3)	9.6		TOTALS	6.466-84	633
87 4FGL SECOND AVER 22* SEL/H**3-H4)		PRECTE	8.78E+88	1.396+81						4				-				;	6.46E-94	633
Af TEST 8 1 SE 21:14:122+ 5 (NUMBER	PLE	SIZE (MU)	3	647	116	1241	1538	1835	2132	2429	2726	3923	3326	3617	3914	4 21 1	4500			
FLIGHT ET9-85 NA 25 JAM 79 1 SECOND A PAGE STARTISE START	BACKGROUND SAMPLE	CL000	•			;					;									•
AFFF3 FGRMG LG4T E79-85 JAN LNISAVAL PARTICLE SIZE OISTATOUN TVPET R	XC48	\$12E (40)	23	ing.	62	9.5	132	122	142	161	161	201	221	241	266	200	306			
FLIG4T E79 PĀRTIDLI		SCATTER P408E							5						•					-
		SIZE	~	3	ď	•	70	12	4	16	57	23	22	\$2	28	28	2		C NC	MED D
16.116		P (MB) 559.6	ALT (KM)	4.733		TEMP (C)	-27.0		FROSTPOINT	-30.9		TAS (M/S)	145.6		NT (N/H3)	0.0		TOTALS	•	<b>a</b>
1 87 AFGL 1 85 COND AVERAGING 120 - 196 R/W = 3 - M u)		PRECIP				;	:				÷	•				•				•
1 SE 1 SE 2114120 5 (NUMBER	) te	SIZE	3	64.7	116	1241	1538	1635	2132	2429	2726	3023	3320	3617	3914	4211	4508			
TET9-03-01-13 IGNES SYRAY ESS UN PRES TYPERAL START9-22114:220-01 TYPER LOUIZONS (WUNDER/MP-03-170E: RAIN	SACKEROUND SAMPLE	CL 043		•				•	:		:	;	÷							<b>-</b>
47-13 147-13 147-13 1 SIZE 31	9434	SIZE (MU)	23	m#	<b>9</b>	29	192	122	142	161	191	201	221	2+1	366	200	300			
IT E79-05 (TICLE SIZE		<b>E</b> 3																		0

TOUT AS ISSI AFFOR SMICE CLEAR	FLIGHT F79-35 O4 25 JAM 79 1 SECOND AVERAGING	INTERNA. START 1"21114125"	PARTIBLE SIZE DISTAIBUTIONS (NUMBER/NA**3-NA)	TYDES RAIN
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	P (HB) 559.7	ALT COD	4.739	•	TEMP (C)	-27.		F POSTPOZNI	6.01		TAS (M/S)	145.5		W7 (M/H3)	:		TOTALS	<b>:</b>	-
	PRECTP PROSE													•	:				-
PLF	S12E (MU)	404	247	**6	1241	1538	1835	2132	2429	2726	3823	3336	3517	3914	4211	450			
SACKGROUND SAMPLE	31.0JB	ě			•				9.		;				<u>.</u>				•
3434	3178	6	3	52	82	132	122	145	161	181	231	221	241	305	782	33.			
	SC4TTE2 2233E	9		•	•						•				•	•			•
	S12E (40)		• .•	æ	•	10	12	*	97	87	20	22	<b>5</b> 2	25	28	30		2	HED D
	<b></b>				_	•		-									s		0
	P (MB) 559.5	ALT (KH)	4.73		TEMP (C	-56.		WIO4150as	-10.9		14S (M/S)	145.7		NT (N/H3)			TOTAL	•	
	PRECIP P (MB)							-			•			_			TOTAL		•
ב ב			•			•	-	:		:	•	•	:	:	:		TOTAL		•
GROUND SAMPLE	PRECIP PROSE	9	•			•	-	:		:	•	•	:	:	:		TOTAL	9.	
BACKGROUND SAMPLE	SIZE PRECIP (MU) PROSE	9	•	0 346 0	D. 1241 G.	3. 1538 0.	G. 1835 G.	:	5. 2429 6.	0. 2726 0.	3023 0.	3. 3326 0.	J. 3617 D.	3. 3914 0.	9. 4211 0.	3. 4548 0.	TOTAL	.0.	
	31030 SIZE PRECIP	9	43 9. 647 0.	0 346 0	52 D. 1241 G.	102 ). 1536 0.	122 0. 1635 0.	142 0. 2132 0.	151 0. 2429 0.	181 0. 2726 0.	211 ). 3023 0.	221 ). 3326 0.	241 3. 3617 0.	250 3. 3914 0.	280 8. 4211 0.	303 3. 4508 0.	TOTAL	9. 0.	

AFTO ISING SPRAY TEST BY AFGL
PLIGHT E79-05 ON 25 JAM 79 1 SECOND AVERSING
INTERVAL STRATIGALILITY21\*
PARTICLE SIZE DISTABUTIONS (NUMBER/M\*\*3-H4)
IYPER RIN

AFFT TOTMG SPRAY TEST BY AFGL FLISAT E73-05 O4 25 JAN 79 1 SECOND AVERAGINS INTERNAL STATTS\*21146126\*

FLIGHT E79-15 ON 25 JAN 79 1 SECOND AFRAGING INTERMAL STARTH*21114126 PARTICLE SIZE JISTABUTIOMS (NUMBER/M**3-4M) TYPER RIKN
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		P (MB)	ALT (KM)	No. 1.		TEMP (C)	-26.5		TRIDAISCRA	F . 1	(3/H) ST.	145.7		NT CN/H3)	0.0		TOTALS				P (#8) 559.6	ALT (KH)	4.743		TEMP (C)	-26.4	FROSTPOZNI	-30.9	:	1 A S (M/S)	•	#T (#/H")	••	TOTALS		
(H#-1-#/)		PRECIP				•	•	•	•	•					• 0		,-	;	Y AFGL COND AVERA		PRECTP PRO95	3.	•	<b>:</b>	<b>.</b>	• •		•	<b>.</b>		ė	•			•	
21114125 CNUMBER	ıe	3218	3	2 99	116	1541	1538	1835	21.30	7775	3973	1024	3617	1914	4211	£ 05 t			1 52 1 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ä	SIZE (MU)	701	2 79	716	1241	1835	2132	2479	2726	3324	3517	3914	4211 4508			
INTERVAL STARTO-ZIIIGESO PARTICLE SIZE DISTRIBUTIONS (NUMBER/NOOB-MW) TYPEL RAIN	BACKGROJND SAMPLE	3€0≯6 P₹09€		0	•	•	-	•				);		-		•	ć	•	AFFTC ISTMG SPRAY TEST BY AFGL FLIG4T \$79-35 34 25 JAN 79 1 SECOND AVERAGING INTENA, STARTF-2114427* PARTISLE SIZE JISTRIBUTIONS (NUMBER/4005-M4)	BACKGPOUND SAMPLE	01000 PR035		;	•	•	• •	;		•			÷.	••		<b>.</b>	
14153 E 312E J	9.40	SIZE (19)	23	7	62	200	201	3	16.4	191	231	221	241	250	196	300			AFFT 141534 14153	9.40	312E (4J)	23	*	62	20.0	132	142	161	191	221	241	. 7 (	363			
PARTICLI		SCATTER PROBE	;	•	•	;	<b>.</b>	;	•	: -	•			;	•	•			FLIGHT 279 PARTIOLE		SCATTER PROBE	:	•	•	•						•	; ,		•		
		51 ZE (NI)	2	, و	، م	^ (	3.	4 -	1 -	3 5	20	25	ź	55	92	33	081	O DAM			\$12E (MU)	^1	، و	ın ı	n c	27	1	44 4 40 a	2 6	: 2:	12	ιΩ α Νι τ	e c	9	MED D	
								<u>-</u>									n s	633			~ rv	•	2										•	v.	•	
		6 (MB) 4	ALT (KH)	4.733		CEL MERCE	492-	FDOCTOOTH	5 4 E K -	•	TAS (M/S)	145,6		NT (N/M3)	10° 10°		6.45F+04	•	GING		6 (HB) 559.5	ALT (KH)	4.735		(C)		FPOSTPOINT	-38.9	740 (4/01	146.0		(MILLE) LE	Ġ	TOTALS	:	
(\$K-6+K)		PROBE 559.6	8.69E+00 ALT (KH)					•				0, 145,6	•	N LN		.0	0/357°9 50-357°5		Y AFGL COND AVERAGING (/m*v3-mm)		PRECIP PROBE 559.	D. ALT (KH			-				197 197	?		) F	•			
**************************************	l.E	Δ.	1	1.396+01	•		•	•			O. TAS	••		3. NT (N/	•	•	9		Y TEST BY AFGL 1 SECOND AVERAGING 1144123* ; (NUM BERZH**3-44)	Ţ	a	404 0. ALT (KP						•		•	.0	)				
VAL SIA(18721818-1849) ISTAIBUTIONS (NUMBER/M**3-M4) TYPES AAIN	KGROJNO SAMPLE	PRECIP PROBE	484 8,69E+98 ALT	647 1.396+01	*D ++6	1261 00 157	•	1000	2010	2726 0.	O. TAS	3326 0.		3914 3. NT (N/	•	•	9	643	D ICING SPRAY TEST BY AFGL 25 JAN 79 1 SECOND AVERAGING 15 STATI*2111422* ISTRIBUIONS (NUMBER/M**3-M*)	KGROUND SAMPLE	PROBE	0. ALT	64.7 0.	• D + +6		1835 0.		2.52.39 D.		•	.0	)	••			
14754V S126 DI	BACKGROJNO SAMPLE	SIZE PRECIP P	). 484 8.69E+98 ALT	647 1.396+01	- D + + + D	1261 00 1121		20 CE 90 CE	20 5040	3. 2726 0.	3. 3023 G. TAS	3. 3326 0.	0. 3617 0.	3914 3. NT (N/	9. 4211 0.	7. 4598 0.	6.455-06	643	AFFTO ICING SPRAY TEST BY AFGL  -55 OW 25 JAN 79 1 SECOND AVERAGING INTERA. STARTPERSTANZS* SIZL DISTRIBUTIONS (NUMBER/M**3-M*) TYPE: RAIN	9A3<6ROUND SAMPLE	SIZE PRECIP 6	3. 404 G. ALT	0. 64.7 0.	0 776	7. 1.24. G. LET	10000	J. 2132 0.	0. 04400	2024 0 02/2	3320 0.	3517 0.	3. 3914 c. NT (N)	••			
PARTICLE SIZE DISTABLISMS (NUMBER/Mee3-M4) TYPES GAIN	BAJKGROJNO SAMPLE	CLOUD SIZE PRECIP P	). 484 8.69E+98 ALT	D. 647 1.39E+01	• 0 • 0 · 0 · 0 · 0 · 0 · 0 · 0 · 0 · 0	62 G. 1241 G. 124	*** DORN'	00 CC07 00 00:0	10 5676 16 151	3. 2726 0.	201 J. 3023 U. TAS	221 3. 3326 0.	241 0. 3617 0.	3914 3. NT (N/	286 9. 4211 9.	7. 4598 0.	6.455-06	643	1FFT2 ICINS SPANY TEST BY AFGL FLIS4T 279-95 OW 25 JAN 79 1 SECOND AVERAGING INTERNA STATIFY 144189* PARTICLE SIZE DISSRIBBITIONS (NUM BERZHEW 3-MM)	BASKGROUND SAMPLE	5_00) SIZE PRECIP 6	3. 404 G. ALT	0. 64.7 0.	62 0. 944 0.	7. 1.24. G. LET	127 0. 1835 0.	142 3. 2132 0.	151 0. 7429 0.	2024 0 02/2	221 6. 3320 0.	241 0. 3617 0.	3. 3914 c. NT (N)	30 3. 4550 D.			
14754V S126 DI	BAJKGROJND SAMPLE	ST7E CLOUD SIZE PRECIP P (44) PROBE	). 484 8.69E+98 ALT	0, 43 0, 647 1,39E+01	. n	13. 62 1521 6 25.		00 00 00 00 00 00 00 00 00 00 00 00 00	0 3010 0 341 0 151	n. 191 J. 2726 D.	0. 201 J. 3023 G. TAS	0. 322 0. 3326 0.	0. 241 0. 3617 0.	0. 256 J. 3914 J. NT (N/	286 9. 4211 9.	0. 300 3. 4558 0.		ED 0 6 633	FLISAT 279	9A27G70UMD SAMPLE	SIZE SLOU) SIZE PRESIP (4U) 0209E (MU) PRORE	0. 23 1. 404 0. ALT	g 0. 647 g.	0.000		122 0. 1835 0.	0. 142 J. 2132 0.	J. 151 G. 2429 G.	0 101 0 2/20 0 1 1 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0	6. 221 6. 3320 0.	C. 241 0. 3617 0.	6. 255 J. 3914 c. NT (N.	0. 300 3. 4550 0.		•	

A commence of the commence of

PRECTP P (MB) S1ZE SCATTER S1ZE CLOUJ S1ZE PRECTP PROBE  PROBE (MU) MU (MU) MU) MU (MU) MU (M	40 40 141	OFFS ICHES PRAY TEST BY AFGL.  VERYAL STARTTV 21114:28*  E DISTRIUUTIONS (NUMBER/N++3-M4)  TYPE: RAIN  BACKGROUND SAMPLE	<b>AG I</b> MB		FLIGHT EP	4 F F F G W 14 F E R 12 E 3 12 E 3 18	AFFI ICIMG SPRAY TEST BY AFFI TATERAL STATT = 21111138 PARTICLE SIZE DISTATBUTIONS (NUNGER/NO+3- TYPE : RAIN BACKGROJND SAMPLE	AV TEST 8 1 3E 21014389ER S (NUMBER 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9	IY BY AFGL. SECOND AVERAGING 38. 18ER/N° 3-M4)	AGING
7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 . 3 .	CTP 0.9E	6 (MB)	SIZE (MU)	SCATTER 2408E	312E (MU)	CLOU) P209E	SIZE	PRECIP	P (#8) 559.6
1			ALT EKM)	~	0.	23	3.	101		ALT (KM)
1	•		4.735	.9		ţ		4		4.733
1	ė			•	9	62		710		
14 0 1 10 0 153 0 153 0 1 153			TENP (C)	•		82	•	1241		TEMP (C)
17 14 0 122 0 1635 0 1635 1 164 1 16	ė		-20.2	2	ċ	102		1538		-26.8
14 D. 142 D. 2132 D. 151 D. 2132 D. 151 D. 25429 D. 151 D. 25429 D. 200 D. 4500 D.				12	•	221	:	1635		
15 0 15 0 15 0 15 0 15 0 15 0 15 0 15 0	•		FROSIPOINT	17	•	245	;	2132		FROSTPOINT
20 0. 201 1. 3023 0. 201 1. 3023 0. 201 1. 3023 0. 201 1. 3023 0. 201 1. 3023 0. 201 1. 3023 0. 201 1. 201	ċ		# DE -	16	;	161		6 2 4 2	•	-31.0
20 0. 201 1. 3023 0. TAS 22 0. 221 1. 3520 0. 24 0. 241 0. 3514 0. 25 0. 260 1. 4211 1. 30 0. 300 0. 4506 0. 450 0. 90. 90.	•		į	=	•	191		2726		
221 1. 327 0. 228 1. 3377 0. 26. 1. 3414 0. 26. 1. 3414 0. 26. 1. 3414 0. 26. 1. 3414 0. 26. 1. 3414 0. 26. 1. 3414 0.	÷		TAS (M/S)	20	;	201	-	3023		TAS (M/S)
24 0. 241 0. 341 0. MT (25 1. 3414 0. MT (25 1.	;		146.1	67		221	-	3320		146.6
26 J. 26 J. 3914 D. MT ( 28 J. 280 J. 4211 J. 30 D. 30 D. 4508 D. 3 LMC D. 9 J. 9 G.				\$		24.7	9.	3617		
0.0 23 0. 280 1. 4211 1. 014.S 0. 014.S 1. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	ċ		N CKASS	56	•	26.		7161		NT (N/H3)
OTALS 30 0. 390 0. 4508 0	•		<b>.</b>	\$2		280		6211		•
OFFIS LWG O O J. O O O O O	ċ			20	•	390	ė	4 50 6		
O LMC G. G. G. G. G. G.			TOTALS							TOTALS
	•		•	C N	•		9.			
		•	D	MED 0	•		8		0	•

AFT ICING SPRAY TEST BY AFFL NO 25 JAW 79 1 SECOND AVERACING TATE TATE OF THE STATE OF THE STATE

AFF'S ICING SPRAW TEST BY AFGL
F\_LGHT E79-35 ON 25 JAW 79 1 SECOND AVERAGINS
INTERVAL STATIGH9114131\*
DARTISLE <177 DESTABULIONS (NUMBER/M\*\*3-H4)
IYDE: QAIN

	P (MB)	ALT (KM)	4.736		TEMP (C)	-25.9		FROSTPOINT	-31.		TAS (M/S)	167.6	•	NT (N/M3)	5.7		TOTALS	633
	PROSE	8.58E+38	1.37E+31	•									•	•	ë.		475-01	633
HPLE	SIZE (MU)	404	547	416	1241	1538	1835	2132	5459	2726	3023	3320	3617	3914	4211	4506		
BACKGROJNO SAMPLE	31.000 PR03E			;		;	-					-	:	:		:	į	<b>.</b>
840	(CF)	2.3	M +	29	82	102	271	142	161	181	231	122	142	260	284	30.		
	\$C417E? >203E	;		:		•	;		:	٥.	•	:			•	ė	é	•
	SIZE (HI)	2	.*	φ.	<b>e</b> o ·	07	12	<b>:</b>	9	19	2	22	54	56	¥2	30	28.7	MED D
	559.6	ALT (KM)	£0.733	074	15.00	1.02		140214014	F . 30.		INS (H/S)	146.3		N (N/HS)	2.5		101ALS 6.43E+04	633
	PROSE PROSE	\$ . 6 5E +00	1.386+31		•	:	•	•	•	<b>:</b>	•	•	•			•	6.435-34	633
PLE	SIZE (MU)	707		***	1 2 4 1	1239	1835	2132	6242	9212	3623	3320	3617	3976	1724	4508		
34830UND SAMPLE	3L0U3 P₹09E			•	•	:	•	•	•	•	•		•	•		•		•
94.3	\$12E	23	n (m V te	26	200	201	221	241	191	181	201	221	241	200	230	9		
	SOATTER PROSE			•	· .	•	<b>.</b>	•	•		•		•		•	•	:	•
	S12E (MD)	r,	۰ د			1	71	1	9	18	2	22	<b>5</b> *	56	<b>6</b> 2	2	) L	ME 0 0

AFFI ICING SPRAY TEST BY AFEL FLEGHT E79-85 UW 23 JAN 79 T 1 SECOND AVERAGING INTERVAL STATIO-21114329  PARTICLE SIZE DISTREMBLIONS (NUMBER/NO-3-M4)	
LIG4T E79-85 I Particle Si	

## AFFT) TGING SPRAY TEST BY AFGL FLIGHT E79-05 ON 25 JAN 79 1 SECOND AVERAGING INTERVAL STRATIP21114134\* PARTICLE 5/EF J/STREUGIONS (NUMBER/M\*\*3-MM)

			•											
		•	BACKG	KGZOJNO SAMPLE	Ä					10.48	BACKGROUND SAMPLE	PLE		
\$12E	SCATTER PRO9E	ER CIZE	32 22	360 \a	SIZE (MU)	PRECTP	P (M8) 559.3	SIZE (HU)	SCATTER P208E	\$12E (40)	CLOUD P < 09E	SIZE	98099 PR018	P (MB) 558.8
•	ě	,	M		404	.0	ALT (KH)	r.		23	;	101	÷	ALT (KM)
2 و			100		647		4.738	•	•	4		64.7		4.744
			25		3 3 6	•		•	•	62		116		
•		•	25		1541		TEMP (C)	•	÷	95	è	1241	•	TEMP (C)
9 :		-	25		1538	•	-25.8	9		201		1538	•	-25.9
•		-	2		1835			21	;	122		1035	•	
1 =		. 1			2132		FROSTPOINT	3		142		2132		FROSTPOINT
1 1		16			2429		-31.0	16	;	161	:	2429	•	-31.1
		-			2726			5		191		2726	•	
3 5		12	201		3023		TAS (M/S)	20		201	·	3023		TAS (M/S)
: ?			21		3320	9.	147.1	22	•	221		3326	3.	147.9
		76	1 1		1617			<b>*</b>	•	241	3.	3617	•	
2 .					3914		NT (N/ME)	<b>\$</b> 2		260		3914	•	NT (N/M3)
. *		72	3		4211	•	0.0	٤,		2.83		4211		0.0
3 5		7			4508			30	•	300	•	4508		
;		•	;				TOTALS							TOTALS
9	Ġ					•	•	OM.						
#60.0				-			đ	0 Q3H	0		•		·	•

AFFT: IDING SPRAY TEST BY AFSL
FLISHT E79-63 DN 25 JAN 79 12 SECONO AVERASING
INIERAL STARIFEZING 138\*
DARTICLE SIZE DISTRIBULING (NUM BER/M\*\*3-MY)
FYPE: RAIN
9834670JUD SAMPLE

AFFT TOING SPRAY TEST BY AFGL
FLIGHT E79-35 ON 25 JAN 79 1 SECOND AVERATING
INTERMS, STRITTE 21:114:35\*
PARTICLE SIZE DISTABUTIONS (MUMBE-244\*\*3-HY)
IYPER RAIN

	P (MB) 558.5	ALT (KH)	4.747		TEMP (C)	-25.8		FPOSTPOINT	-31.1		TAS (M/S)	247.3		NT (M/43)	0.0		TOTALS		•
	PRECIP PRO9E		•	•	•	•	•	:		-		:			•				6
PLE	SIZE (AJ)	101	647	776	1241	1538	1835	2132	545	2726	3023	3326	3517	3914	4211	4506			
BACKGROUND SAMPLE	310UD 320BE			-							-			-				;	0
940	512E	23	t d	62	82	112	123	142	161	181	116	221	241	250	286	300			
	SCAFTER PROBE	.0			•	•		. 9			:		•					•	60
	\$12E	2	.•	10	•	3	12	14	16	18	23	22	54	92	82	30		CHC	MED D
	5.1	£	0,1		<b>.</b>	6.		MT	•		•	6		_	4		rs	# ! • !	653
	P (MR) 559.1	ALT (K	4.7		TEMP (C	-25		FPOSTPOI	Į.		TAS (M/S	146		NT (N/H3)	ŗ,		TOTA	6.405-04	
	PRECIO P 559		1.38E+91 4.7		0. TEMP (C	025	•	G. FROSTPOI	071.		0. TAS (M/S	0. 146.	•	D. NT (N/H3	9.	•	A10T	6.40E-34 6.40E	
		3.61E+10	1.38E+91	•	1241 0. TEMP (C	•	<b>.</b>				•	<b>-</b>	•	•		•	T01A	_	
GROJNO SAMPLE	9805d 9408E	3.61E+10	1.38E+91	•		•	<b>.</b>				•	<b>-</b>	•	•		•	TOTA	_	
9A3KGROJUD SAMPLE	SIZE PRECIO	3. 404 3.61E+38	0. 647 1.38E+91	3. 944 0.		1538 0.	J. 1835 0.	J. 2132 G.	0. 2429 0.	8. 2726 0.	3. 3023 0.	3320 0.	3, 3617 0.	3914 0.	3. 4211 0.	9. 4508 0.		_	
	2L0U) SIZE PRECLO P309E (MU) PROBE	3. 404 3.61E+38	0. 647 1.38E+91	3. 944 0.	3. 1241 0.	1538 0.	J. 1835 0.	142 0. 2132 0.	151 0. 2429 0.	181 8. 2726 0.	3. 3023 0.	221 0. 3320 0.	241 30 3617 00	254 7. 3914 0.	236 3. 4211 0.	*0 6054 ° 0 70*		_	

The second secon

FLIGHT ET9-85 ON 25 JAM 79 1 SECOND AVERAGING

AFFTS ICING SPRAY TEST BY AFGL FLIGHT E79-35 ON 25 JAN 79 1 SECOND AVERAGIMS

346		P (MB)		152.4		TEMP (C)	-25.8		FOOSTPOINT	-31.2		147 CA 1		NT CN/HED	0.0	1	TOTALS				P (MB)		AL! (KH)	4. 754	TEND (C)	25.9		FROSTPOTNT	-31.2	100	(M/S)		NT (N/H3)	•	TOTALS	•
ECOND AVERAL		PRECIP	é			.:		•	•	<b>.</b>		•	: :		:	:		:			PRECIE	•	•	•						• •	•		•			
1 5 1 114138 (NUMBER	w	STZE (MU)	707	245	346	1241	1538	1835	2132	6242	2002	3320	3617	3314	4211	4508					STZE	4	7 4 4	776	1241	1538	1635	2132	9242	2023	3324	3517	3914	4511		
TLIGNT EYN-15 ON 25 JAN 79 1 SECOND AVERAGING PARTICLE SIZE 2/25/20/17/ONS (NUMBER/NOW-3-44) TYPE RAIN	BACKGROUND SAMPLE	CL0U3	•	:	:			<b>.</b>	<b>:</b> ,			: -:	::		;,	•	,		TEACH TO THE PROPERTY OF THE P	משלו מונים	CL0U3	Ď.	: -				0.	÷.	• •			:	•••			
-15 ON INTER 5125 33	340	32.18	23	£ 4	62	82	102	122	7	1 2 2	202	221	241	256	290	363			- 20	1	315E	23	r) J	9	28	192	227	241	181	231	221	241	: : : : : : : : : : : : : : : : : : :	300		
FLIGHT ETS		SCATTER PROBE	•	;		•		• •				9.		•	•	•		ø			SCATTER 22035	.0	٥.	٥.	:	•	•	•			•	•				••
		SI ZE (MU)	~	.*		•	3	7		13	2	22	సే	52	10 F	?	LWC	MED 0			SIZE	~		<b>v</b> o	•	<b>a</b> :	2 3	4 4	13			<b>3</b>	S 2	30	5	
		P (MB) 558.5	ALT (KM)	4.747	( ) ( ) ( ) ( ) ( ) ( )	6 UC	9 - 62 -	Fanctentur	-34.4		TAS (H/S)	146.9		(N/10) IN	•	TOTALS	6.40E-04	633			P (MR) 558.4	ALT (KM)	6.749		TEMP (C)	6-42-	FOOSTONT	-31.02		TAS (M/S)	147.2	MT (11/117)	5.7		TOTALS	10 39E 0
/H++3-H4)		PRECIP PROBE	8.61E+00	1.385+01		° c				: :	•	•	<b>.</b>	•	•	:	6.40E-04	633			PRECIP PROBE	8.60E+30	1.385+01	•	•	: -	;			:	•	•			4.355.34	# PL 360 0
1141364 (NUMBER	w	SIZE	101	, , 9		7	1550	2142	26.0	2726	3023	3320	1617	9160	1201				щ.		SI2E (MD)	707	2 49	7 76	1541	1956	2432	2429	2726	3023	3320	3617	4211	4538		
ERVAL STARTI-21.14:35- DISTRIBUTIONS (NUMBER/M**3-M4) IYPE: RAIN	KGROJND SAMPLE	Ct 000		<b>.</b>	:.	•	•	•			:	•	•	•	• -	:	•	•	TYPE: RAINACKG70UND SAMPLE		5L093 P>09E	3.	:	•	<b>.</b>	•	•	::	:	:						:
141 312E	BACK	SIZE	23	10 (	2 6	2 6	201	221	1 4 5	181	211	122	14.		<b>1 2 2 3 3 3 3 3 3 3 3 3 3</b>	;			94040		32.18	53	P +	95	20	132	142	151	191	231	122	147	2 ec	300		
PARTICLE		SCATTER PROBE	:		•	•	•	•		: :			•		• ·	:	•	•			SCATTER PRO9E	;	•		•	<b>.</b>			•	•	<b>.</b>		• •		•	:
		(UN)	~	٠.														0			SI ZE (M.))								9				_			1

FLI341 E79-PARTICLE

9215		P (MB) 557.6	ALT (KM)	4.76		TEMF (C)	-25.9		FROSTPOINT	-31.4		TAS (M/S)	146.2		NT (N/ME)	6.8		TOTALS		•
T BY AFGL Second Averaging 42° Ber/m*3-mm)		PRECIP PROSE		•	•		•	:		÷	•	:		:			•			•
Et 15	1.5	SIZE (MU)	404	244	796	1241	1538	1835	2132	6242	2726	3823	3328	3617	1914	4211	4508			
LG4T E79-19 ON SPRAY TEST BY AFG. LG4T E79-19 ON 25 JAN 79 L SECOND A LYTERAL STATT+6-2114-6-42 PARTICLE SIZE DISTAIBUTIONS (NUMBER/NP+3-	SACKGROUND SAMPLE	SL003	J.		3.					٥.			3.	:	:	;	•		3.	0
AFFT3 -15 ON 2 INTERNA SIZE DIS	9ACKG	SI ZE (UP)	23	m t	<b>9</b> 5	82	102	122	142	161	181	201	221	7 4 7	2 o C	263	336			
FLIGAT E79-15 ON 25 JAN 75 LIGAT E79-15 ON 25 JAN 7 LITERAL STAFF PARTICLE SIZE DISTAIBUTY RAIL		SCATTER PROBE	9.	:	9.			;	:	٥.	•	•	•			;	:		÷	
		SIZE	<b>N</b> i		40	•	91	15	<b>4</b>	91	91	ຂ	25	*2	56	28	ř		2 <b>H</b> .7	MED D
9		P (MB) 557.8	ALT (KM)	4.757		TEMP (C)	-25.8		FPOSTPOINT	-31.3		TAS (H/S)	146.9		NT (N/H3)	5.4		TOTALS	6.40E-04	633
TEST BY AFGL 1 SECOND AVERAGING 1 141-68 * NUMBER/M**3-M4)		PROBE	8.615+10	1.386+91			•	.0					9.			:			6.436-04	633
7 TEST BY 1 SEC 1114146 1 (NUMBER/	31	SIZE	404	64.7	116	1241	1548	1835	2132	2429	2726	3323	3324	1617	3914	4211	453.8			
AFFIC ICING SPGAY TEST BY AFGL 1-35 ON 25 JAN 179 1 SECOND AVER THERVAL STARTIFEZILI4469 SIZE DISTAZBUTIONS (NUMBER/M**3-M4)	SACKGROUND SAMPLE	CL 040	į.		: -	: .:	: -										_	;		
AFFES 1-35 ON INTERV SIZE DE	SACK	S126 (VV)			, 6			122	. () 1 -	16.				24.5	25.5	285	200	•		

FLISHT E79-05 ON 25 JAN 79 1 SECOND AVERGING INTERPRETATIONS 1 SECOND AVERGING INTERPRETATIONS (NUMBER/M\*3-M4) 1 YPE: RAIN

3833273885555 3833273885555

AFFTS ICING SPRAY TEST BY AFGL
FLIGHT E73-15 3W 25 JAM 79 1 SECOND AVERAGING
INTERVAL STATI+29:114143\*
PARTICLE SIZE 7ISTABUTIONS (NUMBEZ/M\*\*3-HH)
IYDER GAIN

	P (HB)	ALT (KH)	4.762	TEMP (C)	-25.9		FROSTPOINT	-31.5		TAS (M/S)	146.1		NT (N/M3)	9.0		TOTALS	÷	•
	PRECIP		::	•	:	9.	ó		;				•		:			•
PLE	\$12E (MU)	7 0 7	547 944	1241	1538	1835	2112	2429	2726	3023	3320	3617	3914	4211	4508			
9A3KGROUND SAMPLE	01.0JD P309E		••	;	-	3.	•	-	:		÷			9.	:			6
943	S12E (40)	M 1	4 49 4 49 4 49 4 49 4 49 4 49 4 49 4 49	<b>8</b> 3	112	122	1+2	191	181	291	221	241	267	286	300			
	SCATTER PROBE	÷.	::	•	•	÷.		÷	÷	•	:			•				•
	SIZE (MU)	<b>~1</b> ·	ar un	<b>6</b> 0	97	27	<b>*</b>	16	5	ຂ	22	\$	25	<b>58</b>	E,		LNC	WED 0
	P (MB) 557.6	ALT (KM)	9	TEMP (C)	-25.8		FROSTPOINT	-31.3		TAS (M/S)	146.3		KH (K/HM)	5.7		TOTALS	6.435-04	633
	PRECIP PROBE	0.655+30	1.382+31			0.	ć		0	÷	9.		•	-	0.		5.436-34	633
ų.	SIZE	7 P7	7 4 9 0 4 9 0 6	1241	1538	1835	2132	5429	2726	3023	3320	3617	3914	4211	4508			
CG20U49 SAMPLE	CL 0U3 P 2 09E	:	• •					•										-
3834	31.2E (40)	23	₩ Q	82	132	122	142	151	181	201	221	741	96.	23.0	76.5			
	SCATTE? PROBE	.0						: =	: =	: -						:		
	S1 75 (MU)	c,	. <b></b>	7 4	, =		4 ·				200	36	* d	9 6	9 5	3	T NC	MEO 3

AFFT3 IOTHG FLIG4T E73-45 ON 25 JAM INFERMAL STAR PARTICLE SIZE OFFRENCES RA

SCATTER P409E

NFFT 3 004 125 01 1	4FFT2 10TMG \$PRAN TEST BY AFFL 10M 25 JAN 79 1 SECOND AVER 10ERVAL STARTOF 1114144 12E 01STRIBATIONS (MUMBER/HHOTS-HM) TYPER RAIN	1 1 2 1 2 2 1 1 2 3 2 1 1 2 3 3 3 3 3 3	EST BY AFGL 1 SECOND AVERAGING 18146 UMBER/Mes3-MM)	AG 11G		FLISAT E7	AFFT. 9-35 34 TMTER E SEE 31	AFFI JOHN SPRAY TEST BY AFEL FLIGHT ESTRAY AFEL TRICLE SIZE DISTAINCH SMARTFELLIGHS WUMMERANGES THESE RAIN	17 TEST 6 1 S 1 S 2 S 1 S 2 S 1 S 2 S 1 S 2 S 1 S 2 S 2	13	sine	
SACK	SACKEROUND SAMPLE	PLE					343	BACKGROUND SAMPLE	31,			
3112 (44)	34096	STZE	PRECIP PROSE	P (#8)	\$125 (M)	SCATTER PROBE	51.2E (40)	36026	SIZE	PROME	P (49)	
;	•	7	j	ALT CKN1	~		5.6	3.	3		ALT (KH)	
3 '	:.	14		4.762	.•		*1	.,	44	•	4,765	
? :	<b>:</b> ,	1			10		6.23		126	<u>:</u>		
•	: .	. 24.	; =	TEMP (C)	•	•	93		1241	•	TEMP (C)	
26	<u>.</u>	1631	: -	-25.9	27		182	9.	1538	÷	-26.1	
761	: .		; -		21		122		1935			
72.		24.40	: .:	FPOSTPOZET	4	-	() *		2132		FROSTOCINT	
7	•	9636		-31.5	15		161		6242		-11.6	
101		2726			13	-	1.51	-	2726			
101	: -		: =	TAS (M/S)	2	;	231	.;	202		14S (M/S)	
	•	3336	; ;	146.1	22	•	221	•	3 32 8	•	145.5	
		1617			2,5		2+1		3617	.:		
		161		RT (N/H3)	56		256		3914	.;	NT CR/HT)	
3 E	•	4211			59		17 <b>60</b> 11	.:	4211		6.4	
	•	4			2		385	÷	4538			
	:		;	TOTALS							T01415	
					21.7						_	
			•	ø	COSM	w		-			***	
	,											

4.762	TEMP (C) -25.9	F00STP01MT -31.5 TAS (M/S)	MT (M/M3) 6.8 TOTALS		l ay≤0 a51n5 ~44)
				•	3.44)
<b>.</b> .				÷	7 97 8F 5EC980 65* 9ER/WF*
3 to	944 1241 1538	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	3528 3517 3914 4211 6538		725 1 1111 1904
				•	TO ICING SPRAY 25 JAN 79 THAT STARTIFED PISTRIBUTIONS TYPE: RAIN
÷:		****	*****	÷	SE TANK
F) P)	29 29 29	22444 2244 2444 2444 2444 2444 2444 24	4 14 10 10 10 14 14 14 15 15 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 1		C
				•	347 E 84710
					E ,
<b>A</b> 1 1	. 10 m iii	1775	25 23 23 33 33 33	9 0 0 0	

AFFICATION S SON TEST BY AFFICATION OF STREET STREE	PARTICLE SIZE DISFATSUTIONS (NUMBERALMAN) TYPER RAIN
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	556.9		ALT CK",	4.759		TEMP (C)	-26.1		FPOSTPOINT	-31.7		TAS (M/S)	145.1		MT (8/43)	።		TOTALS	<u>:</u>	•
	9808d		.:							:					• es	<u>.</u>	<u>:</u>		<u>:</u>	-
 2	321S		404	24	444	1241	1538	1835	2132	542	2726	3823	3326	3517	3914	4211	4588			
ACKGROUND SAMPLE	Store		;	;	:	•		:	ė	;	-		;				.;		:	•
34.74	17:5 14:0)		٤3	m) *	6.2	<b>6</b> 0	112	21	1+2	161	131	2.3.1	171	242	251	28.	.3 M			
	\$24TT68 \$333E		;	.:		٠.	.;			<b>:</b>		<u>.</u>								<b>c</b> >
	171S		۸,		æ	40	£1	12	*	15	<b>:</b>	ຊ	22	*2	25	<b>53</b>	<b>9</b>		L #C	MED O
	p (mg) 557.1		ALT (KM)	4.767		TEMP (C)	-25.9		FPOSTPOINT	-31.6		T&S (M/S)	145,8		MT (M/M3)	. e		TOTALS	6.456-64	633
	946019	}	8.63£+38	1.396.81				<b>:</b>						: _:					6.+56-34	533
ī.	S17E	}	404	3	446	1241	1578	1835	2132	2429	2726	30.53	3320	15.17	3916	. 211	458	1		
SROUND SAMPLE	20070	1601	-							: -				: .			: .	:	,	• :
SYCVE	37.12	ĝ	2.6	<b>, F</b>	, 6	,	,		101	1 .		***	1 :	400	7 6	200				
	SSATTER	14035		:.	<u>.</u>	: .	•	:	<b>:</b> .	:.	: .	<b>:</b> .	<b>:</b> .	:.	•	<b>:</b> .	<b>:</b> .	:	•	• :
	3172	5	,	<b>N</b> )		<b>.</b>	m :	2	21	<b>:</b> :	12	13	3	2	€ ;	S	2	3	1	1 1 2 2 2 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3

	R 46 146		=	
BY AFGL	SECOND AV	<u>.</u>	PARTICLE SIZE DISTRIBUTIONS (NUMBER/HP-1-NA)	
MAY TEST	-	M 1 4 1 1 1 2 a	MAN CHUMB	_
ICING S	25 JAN 79	A. STARTI	STRIBUTIO	VOES RAIS
AFFT.	NO 50-	INTERV	317: )1	-
	164T E79		PARTICLE	

TEST BY AFEL  1 SECOND AVERAGING  114:146 (NUMBER/N***)	ų	FLIGHT E79-	SICE DIS	ICING SPAR IS JAN 79 IL START ##21 IT Y BUTIONS PER RAIN	1 SE 1 SE 1814 58* (NUMBER,	FLIGHT E79-% N-15 ICMO SPARTES BY AFGL INTERAL STATISTASSE PARTICLE SIZE DISTATUMS (NUMBER/M**3-M4)	¥	
ופ			84746	BACKGROUND SAMPLE	<b>"</b>			
SIZE PRECIP	P (MB) S12E	SIZE SCATTER	SIZE CLOUD	CL 000	SIZE	SIZE PRECIP	(94)	

	681) 4	556.5	ALT (KM)	4.175		TEMP (C)	-56.5		FROSTPOINT	-31.9		TAS (M/S)	145.3		NT (N/43)	0.0		TOTALS	•	•
	PRECIP	P4085	:	•	<b>:</b>	9.	•		:	-	:	•	•	•					•	,
;	SIZE	ê E	704	2 79	776	1241	1536	1835	2132	5459	2726	3623	3326	3617	3914	4211	4506			
	CL 003	P 3 0 8 E		.:					;		9.		-							•
	SIZE	ŝ	23	m \$	62	82	102	122	142	161	181	231	221	241	59¢.	1967	305			
	SCATTER	9408€	•	÷	ċ				:		;	•			•	•	:			•
	SIZE		~		٠	•	2	#	<b>1</b>	91	13	82	23	\$	55	28	33		140	100
	P (NB)	556.8	ALT (KH)	4.77		TEMP (C)	-26.3		FROSTPOINT	-31.7		TAS (M/S)	144.7		NT (N/M3)	٥.0		TOTALS	•	<b>-</b>
	PRECIP	PR08E	:				•						•	:		•				•
יַּ	SIZE	£	7 07	2	746	1241	1530	1835	2132	2429	2726	3623	3326	3617	1914	4211	4588			
TOTAL SEAFER	Cron3	PROPE	,					•				d					á	:	•	•
34.74	312E	()#C	53	9	25	9.5	102	122	142	161	181	281	221	241	260	*	300			
	SCATTER	P 408E			: -				: -			: 4	; ;			: -	•	:		•
	\$125	5	^		•	•	•	::	1:	•		2 %	2 6	1 6	2 6	3 6	C F	3	r MC	MED D

AFFIZ ICING SPOAV TEST BY AFGL FLIGHT E79-05 OV 25 JAN 79 1 SECOND AVERAINS INTERVAL STARTF02111451* PARTIZLE SIZE DISTRAUTIONS (NUMBEX/4**3-MY) IYZEI RAIN	
AFFI FORM SPRAY FEST BY AFFI FLIGHT E79-05 JM 25 JAN 79 1 SECOND AVERAGING INTERNA STARTING SIALAHAJO PARTICLE SIZE DISTRIBUIDUNS (NUMBER/MORBAMM)	

	P (MB)	ALT (KH)	4.778		(C) #31	-26.6		FROSTPOIN	-32.0		TAS (M/S)	145.5		NT (N/R3)			TOTALS	:
	PRECIP		.;	•		;	•		ç	ä				ċ			•	:
PLE	S12E (MU)	3	245	7 76	1241	1538	1835	2132	2429	2726	3023	3320	3617	3914	4211	4500		
BACKERNUNC SAMPLE	CL0J)	3.			:		;		•	•					9.	,		•
38.74	(0F)	23	<b>+</b> 4	2 <b>9</b>	85	132	122	142	161	181	211	221	241	253	290	300		
	SCATTER PROBE			÷	:		•			•	•		:	:	•			
	STZE (MU)	۲۱	3	.0	•	2	12	1	16	97	20	?	5,6	36	£2	30	2	1 1 1
	Р (НВ) 556.7	ALT (KM)	4.772		TEMP (C)	-26.4		FROSTPOINT	-31.8		TAS (H/S)	145.2		MT (N/M3)	ec .00		TOTALS	
	PRECIP PROBE	5.715+30	1.39E+01		.0	•				•							4.475-34	
וַנַּ	SIZE (MU)	7 07	\$	446	1241	1538	1935	2132	2429	2726	3923	3320	3617	3914	4211	4508		
CKGROUND SAMPLE	3L0U0 P209E			,							: -		: -				: .	•
9434	312E (48)	23	4	6.2	92	102	122	142	151	1 2 4	162	22.	74.	166	280	7 C 2	•	
	SCATTER PROBE	ď	: -				: =		: .	:.			: .	•	: -			•
	SI ZE (MU)	•		- 4		-	•	4 #	: :	:	9 6	:	4 6		9 6	9 5	•	

Carlow the Life Land Commence

AFFTS ICING SPRAY TEST BY AFGL	ON 23 JAN 79 1 SECOND AVERAGING	ITERVA_ START 1"21114152"	E JISTAIGUIDES (AURBER/FFF5-14)	TYPE BAIN
AFFTS ICT	T E79-85 ON 25 J	INTERVA. S	TICLE SIZE DISTAI	13ck L
	FLIG		PAR	

TOUR AS LESS ARRES SMICH TO ME SEE ARREST	TATERNAM STARTS AND	PARTICLE SIZE DISTRIBUTIONS (NUMBER/H++3-H4)	Trotte Bark
94	•		

		P (MB) 556.2	ALT CKN)	4.779		TEMP (C)	26.9	3	FROSTPOTMT	-32.2	:	TAS (M/S)	9 9 9 9	1636	*********	TOWN IN	:		TOTALS	
12.0000 AVENUE AND		PRECIP												: .	:.	•	•	:	,	
21114194* 3 (MUNICER	7.E	SIZE (MU)	707	647	36	1241	1538	1635	2132	2429	2726	3023	1231	46.4	100		117	4200		
TATERVAL STATISTISTS SECOND MER PARTICLE SIZE DISTAINANT (MUNDER/H**3-NY) FYPES RAIN	BACKGROUND SAMPLE	CLOUD	:				-									٠.	; <i>.</i>	:	•	
INTERN SIZE JI	9 A C K	\$12E (4U)	23	7	82	82	112	122	4	161	191	231	221	7	26.0		9 6	200		
PARTICLE		SCATTER PROSE	:	:		.;	ċ	:		:		•	•					:		
		SIZE	۸.	.*	•	•	7	15	41	16	64	23	22	56	8	28	2 :	;		MED
		P (MB) 556.3	ALT (KM)	4.778		TEMF (C)	-26.8		FPOSTPOINT	-32-8	,	TAS (M/S)	145.6		NT (N/M3)	5.8		407416	20 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	633
(H++3-H4)		PRECIP PROBE	8.69E+04	1. 395+31	•	<b>.</b>	•		j,		•	;	•						6.455-14	634
1114.152°	ĨĒ	3126	4 9	49	116	1541	1538	1835	2132	2429	2726	3023	3320	191	3914	4211	4538			
A_ STATIF21114152* SF2IBJIIONS (NUMBE2/H++3-H4) YPE1 RAIN	GROUND SAMPLE	CL003				•			•	•	<b>:</b>			:	<u>:</u>	-				•
INTERV Size Ji	BACKE	321S	2	n J	29	20	201	122	4	191	181	201	122	241	. 92	285	300			
INTERV Particle Size 37 7		SCATTER PROBE		<b>∴</b>	•	<b>:</b> .	•	<b>:</b>	<b>.</b>	•	<b>.</b>	<b>:</b>	•		i	÷	÷		•	-
		\$122 (#0	NJ .	•	۰	<b>.</b>	3	12	3	91	2	2	72	<b>5</b> *	7 <b>.</b>	<b>8</b> 2	R		Ę	HED D

AFFT ICING SPRAY TEST BY AFGL FLIGHT E79-05 OH 25 JAH 79 1 SECOND AVERAGING INTERNAL STARTH-2213141550 AARTICLE STEE JESTADUTIONS (NUMBER/HOOS-MY) TYDER RAIN	
AFFI IGIMS SPRAY IEST BY AFGL FLIGHT ET9-87 ON 25 25 JAN 79 INTERVAL STATIFIZIASHESS* PARTICLE SIZI DISSRIGHT FFILMS (MJ48ER/M**5-444) TYPER ARIN	

	P (MB) 556.2	ALT (KH)	4.779	TEMP (C)	-27.		FROSTPOINT	-32.3		TAS (M/S)	165.4		NT (M/M3)	-		TOTALS	•
	PRECIP		<b>.</b>	•			•	•	÷		-			<b>:</b>	:		-
PLE	STZE (MU)	*0*	4	1241	1538	1635	21 12	5429	2726	3023	3320	3617	3916	4211	4586		
SACKROUND SAMPLE	5_343 P308E		•			;	-		•	:		-:		÷	÷		•
GAR.	31.7E (4U)	23	* 4	8 6	102	122	145	151	181	201	221	541	365	290	0 <b>0</b> E		
	SCATTE2 PROBE	.;				•	•	<b>:</b>	<b>.</b>	•		•	•	•	•		•
	SIZE (HI)	2	4 .0	•	<b>a</b> :	<b>∷</b>	<b>:</b>	2 :	2 5	2	27	* .	62	21	5	L #C	MEO D
	P (HB) 556.1	ALT (KH)	4.781	TEMP (C)	6.92-	C. 2005200527	TOLISON.	1.76	****	CAN CAL	142.8		M (M/M3)			D.	•
	PRECIP PROSE	÷.		<b>:</b>	;.					•	:.	•	•	: -	:	•	r
Ŀ	SIZE (NU)	4 0 4	3 8	1241	1000	2112	2120	2726	1001	200	305	100	160	1000			
CG20UNJ SAMPLE	360% Crons	÷.		<b>:</b>								: .	: .	: -	:	:	•
94046	SI 7E (40)	M 1	9.	25	222	7 7 7		181	20.		742	1					
	SCATTER PROSE	<i>.</i>	: =	<b>.</b>	: -	: -	-		: _	:			: -	: -	;	:	•
	\$125 (#0)	N) 4	•	•	75	12	91	18	2	2	1	*	7	Ħ	;	L SC	

A SALE CONTRACTOR OF THE PROPERTY OF THE PERSON OF THE PER

9 2 M		P (MB) 556.2	ALT (KOH)	4.779		TEMP (C)	-27.3		FROSTPOINT	-32.5		TAS (H/S)	147.4	ı	NT (N/NG)	2.4		TOTALS	6.38E-04	633
EST BY AFGL 1 SECOND AVERAGING 4 158* Umbir/m**3-mm)		PROBE	6.595+08	1.375+01										٥.	-	٥.	•		6.38E-04	633
AV TEST 8 1 SE 21114-159* S (NUMBER	PLE	SIZE (MU)	707	647	7 76	1241	1538	1835	21 12	2429	2726	3023	1326	3617	3914	4211	4508			
AFFT2 ICING SPRAV TEST BY AFGL SS JAM PS 1 SECOND AVEN INTERVAL STARTFP2114159* PARTICLE SIZE DISTABUTIONS (NUMBER/M++83-MM)	BACKGROJNO SAMPLE	C/L 0U.)	,	:	:	:									•				:	•
AFFT3 9-05 ON INTERVE E SIZE DI	BACK	S72E (4U)	23	£4	62	82	271	122	1+2	161	181	201	221	241	263	280	30C			
FLIGHT EP		SCATTER PROBE				:	•	:	•		ċ		;	;	:		•			•
		SIZE	~+	.#	÷	•	10	15	#	97	18	.72	22	2,5	56	92	33		24.7	MED O
911S		P (#8) 556.2	ALT (KM)	4.779		TEMP (C)	-27.1		FOOSTPOINT	-32.3		TAS (M/S)	146.2		NT (N/M3)	0.0		TOTALS	٥.	•
EST BY AFGL 1 SECOND AVERAGING 4155* IUMBER/M**3-MM)		PRECIP PROBE	:	•	•	3.	•	•			•	•			•		:		•	65
ING SPRAY TEST BY AFGL LAN 79 1 SECOND AVER STATTIVE 2114455* STATTIVE (NUMBER/M**3-MM) RAIN	ıtê	SIZE (MU)	704	647	116	1241	1538	1835	2132	5459	2726	3023	3320	3617	1914	4211	4508			
2: CING SPRI 25 JAN 79 VAL STATIFE ISTRIBUTION	BA34640UND SAMPLE	31000 P109E	,,						: .=			: -								r
AFFTS TCI 1947 E79-39 DN 25 J 1415-44AL S 142-34AL S 143-14AL S	8A34	SIZE (HJ)	23	, M	2	m.	102	122	142	161			22.	747	25.0	293	37.	:		
FLIGHT E79-35 DN 25 U L 75 UN 25 UN		SCATTER PROBE	ď	: 4		: =				: =				; é	: -		à	•		8

AFFTS ICING SPRAY TEST BY AFGL FLIGHT E79-05 DW 25 JAN 75 1 SECOND AVERAGING INTERVAL STRATI*21914457*	TICLE SIZE LISTAIBUTIONS (NUMBER/M***-MM) TYPE: AAIN
FLIG4T E79-0	PARTISLE S

AFFIZ ICING SPRAY TEST BY AFGL
FLIGHT E79-03-04 25 JAM 79 1 SECOND AVERAGING
INTERVAL STRETT##97114.659\*
5ARTICLE SIZE DISTRIBUTIONS (MUN BER/M\*\*3-M4)
TYPER RAIN

	P (MB) 556.2	ALT (KN)	TEMP (C)	-27.2	FROSTPOINT	9.75-	TAS (M/S)		0.0 0.0	TOTALS	- -
	PRECIP PROSE	• • •		: <b>:</b>	•				• •	÷	·
#PLE	SIZE (MU)	404	944	1538	2132	2726	3320	161.7	4211	4506	
MSKGROJNO SAMPLE	CL 040		.:	••		::		٠.	• •	•	. •
340	\$12E (43)	10 M 10 J	<b>6</b> 2 22	132	241	181	201 221	242	300	300	
	SCATTER PROBE			• •	•	:		•		÷	:
	S1 ZE (MU)	t u	un eo	12	9 d -	<b>:</b>	2 %	72	ន ខ	9	140 0 140 0
	0 (48) 556•0	ALT (KM) 4.782	TEMP (C)	-27.2	FP OSTPOINT		145 (#/S) 147.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.0	TOTALS	•
	PRESTP PROBE			•••		::			• •		•
ı.	SIZE (MU)	+3+ 647	944	1538 1835	2132	2726	3023	3617	5914 6211	4 5 G 8	
(6400MD SAMPLE	360ad		÷.					i en «		:	÷
3474	SIZE	6 E	8 8 2 8	102	1+5	191	201	241	2 62 29 65 30 65	300	
	SCATTER PRODE	• •			<b>.</b>						• •
	SIZE (NH)	<b>\$1.4</b>	un ≪0	112	<b>.</b>	2 5	2,6	ನ	.c. <b>s</b> 2	æ	#E0 0

AFFT3 ISTNG SPORY TEST BY AFGL	F_154T =79-35 ON 25 JAN 79 1 SECOND AVERAGING	INTERMAL STARTS#21115#00#	SARTICLE SIZE DISTRIBUTIONS (NUMBER/NATURA)	TYPE RAIN

AFT2 ICING SPRAV TEST BY AFGL
F\_LGHT E79-03 ON 21 JAN 79 1 SECONO AVERAGING
THIRTH OBJECT 1 SECONO AVERAGING
PARTICLE SIZE OSSTRENJIONS (NUMBER/N=3-NH)
TYPE: ARIN

	:																																									
CAL FACTOR		750.5	ALT (KH)	***	TEMP (C)	-12.4		FROSTPOTHT	-29.1		TAS (M/S)	2.221		C 44/42 - 2	, . oot oc 3 7	TOTALS	3.936-81	140			EN.			CAL FACTOP		950.5	ALT (KM)	4.856		TEMP (C)	-12.6	141001000	6-86-		TAS (M/S)	127.8		MI (KIM)	1367748.6	10TA1 C	5.42E-81	167
DISTANCE CAR FT		PRECIP PROBE	7.06E+93	• c		: ;	: -	•	•	•	•		•	•		3	4.6412	+0+		SY AFGL	COND AVERAGI		F - 5 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6	THE TRUE TOO ET		PROPE	2.225+34		•		<b>.</b>	•	• •			•			óe	:	1.46E-91	<b>:</b>
01514		SIZE (MJ)	4 1	, .	1241	1538	1935	2132	6246	272€	3823	3326	3617	165	1 1 2 1					TEST	7	107125	E TO	DISTA		375	3 64	647	4.6	1243	1538	1855	2646	2726	3023	3320	3617	3916	4211			
HZO FLJW RATER 18 GPM		2602d	3.815+67	3.1 25.467	5.065+16	3.500+86	1.535+76	1.315+06	5.7.25+[5	4.525+05	1.54E+u5	2 • \$ 3E • C 5	1.085.05	20101	1.25500		3.47£-01	124		AFFTS TOTING SPRAY TEST BY AFGL	P7 MAL 15	I STEAM STARTE OF 107 125 F	TYPEL RAIN	PAIE: 13 60M	;	36026	5.655+67	3,505+07	1.725457	6.97E+05	4.635+06	4.305.406	7 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	4.315+05	3.26E+C4	2.71E+65	1-1 35+05	7.09E+04	4.4504		3.36E-61	122
FL3# R		(A)	23	? .	4 6	132	12.2	142	101	141	2.1		241	5.6		;				ACFT	-03 ON	1 1 56	1 1 1 2	FLOW		£ (£ )	23	,	82	82	703	721		181	201	221	247	263	9 6			
		2,811E9	7. BSE+08	6.52E+U9	1.135.18	1.145+10	9.44E+09	7.816+09	61+371.9	6.81F+03	4.45.+69	5.57E+03	Z. 19E +09	F3+3C+ T	1.205+00		3.21E-01	20			F. IGHT E79-03 ON		PAKITOLE	0 25 H20		PROBE	1.016+69	2.34E+09	5.9+5+09	1,136+10	1.146+10	9.166.09	5,956+03	6.67E+09	4. 35E+09	3.615+09	2.14E+09	1.55E+09	5.93E+D8		3.135-01	20
PPESSURE 10 PSI		3175 (HU)	~ .	<b>.</b>	•	10	12	<b>7.</b>	91	97	92 :	27	3,7	9:	9.50	•		MED 0		SAMPLE: 1A				8.8 PRESSURER 18		(0H)	2		•	•	3 :	4 4	91	8	20	25	<b>3</b>	52	8 g	•		HEO D
		P (MP)		AL (RT)	:	TEMP (C)	-26.9		FPOSTPOINT	-32.6		CALL SAL	145.4	(EN/2) 12	0.0		TOTALS	•	-		ZN.			CAL FACTO9: 8	0 (46)	550.5	ALT (KM)	4,856		TEMP (C)	777.	FPOSTPOINT	-20.1		1 4S (H/S)	122.5	12,000	- COLOR - C	6 . 6 7 7 8 . 0	TOTALS	2,695-01	104
		PRECIP		•	• •						:		•	•	• =				9	IV AFSL	COND AVERAS	9316	( tele ( c. at /)	DISTANCES 108 FT	010	in Cha	9,392+03	ؿ	<b>.</b>		;			•		•		•	• •	•	6.17E-32	# 6 7
	114	SIZE		# F	776	1241	153 R	1835	2132	575	2726	3023	3326	196	121	4538				AV TEST BY AFBL	1 3	137124	7 25 F (2V)	71574		37.5	<b>†0</b>	2 49	3 46	1241	1536	21.42	2429	2726	1123	3320	251	1 1 6 6	4511	•		
TYPE RAIN	SACKGROUND SAMPLE	CLOUD			•					.0	;		<b>.</b>	•	•	: :			Ð	AFERT TOTAL SPEAK	21 JAN 79	TATORNAL STANTON CONTRACTOR TO THE TATORNAL CONT	ISTRIBUTIONS TYPES RAIN	4T_1 15 GP4		240BE	3.155+07	1.7 45+67	4.312+66	3.932+66	4.581415	4.000 to 0.00	5.485+05	2.748+59	1.346+55	1,355.465	3.7 62 + 6 +	7.506.5			2.37E-01	136
<b>.</b>	3404	31.2E		ا رم د اه	., 6	* C	101	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	142	151	181	231	221	2 4	0 4	305				16 = 1	AC 50	I 41 SK	1 2115	FLOW PAT	;	1176	~	<b>M</b>	5.2	82	152	17.	191	191	202	127	7	197	902	•		
		SCATTER			•	•			: =			•	:	•	•	• •	i	:	e		F. 1547		PARTICLE	10 9ST H20		50AT 1E2 *R386	8.87E+u.8	2.35£+09	6.02E+09	1 58 +10	1,046+10	P - 10 2 1 1 1 2 2	5.66F+69	6.06E+09	3.87E+09	3.21E+u9	2.11E+09	1.255+69	5.98E+08		2.61	53
		215	ČU.	^1	<b>.</b>	n ~	n	2 2	1	16	<b>5</b> 0	~	≈	हैं।	2.	e s	}	SMIT	MED D	CAMPIFE 18				PRESSURER 10 PST	1	SIZE	^		10	•	91	2		£ 57	*7	22	<b>72</b>		<b>5</b> 2	2	282	MED 0

And the state of t

				<i>.</i>			•										
	CAL FACTOR: 8.8	556.4	ALT (KM)	TEMP (C)	-12.9	FROSTPOTNT	-20.1		TAS (M/S)	121.9,		ET CELEGO	1417776.2		TOTALS	3.72E-01	115
	DISTANCE: 180 FT	PROBE	1.615+93	•			•	ċ	•	•	•	<b>.</b>	•	•		1,135-32	411
	0157	STZE (4U)	1 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1241	1936	2132	542	2726	1023	3320	3517	3914	4211	450			
	HZO FLJM KATEL 18 GPM	CL OUD PROSE	5.45£+07 3.73£+07	1.7 45+87	4.86E+06 7.66F+F6	7.636+12	6.35E+C5	5.39E+79	1.856+15	1.735+05	7.556+64	3.446+04	1.525+04	1.125+04		3.515-01	113
•	FUER	321S (40)	£ 53	6 6 7 7 8	102	145	161	191	231	221	7	260	160	300			
		SCATTER PROBE	9.61E+08 2.38E+09	6.69E+69 1.19E+10	1.23E+10	A.SOF+09	6.31£+69	6.555+69	4.62E+09	3.07E+69	2.055+39	1.67 €+09	8.11E+65	1.295+09		3.336-01	20
	PRESSURE: 10 ºSI	S 125 (U))	<b>t</b> 0	<b></b>	10	1	91	18	2	~	\$2	92	52	30		2	_
	•																
	CAL FACTOR!	9 (48) 558.3	ALT (KH) 4.859	TEMP (C)	-12.8	FROSTPOINT	-24.2		TAS (M/S)	121.8		N4 (2/13)	1789206.2		TOTALS	5.12E-01	123
	ISTANCE: 180 FT	PRECTP PROBE	9.44E+03			•	:	;	•						•	6.21E-32	404
	DISTAN	STZE (MU)	404	110	153	2112	2429	2726	3023	3320	3617	4 101	1124	8884			
LADES KAIN	MZO FLOM RATER 18 GPM	580 % Cr 000	5.856+67	2.28E+67	4.525+96	3.955.65	5.80E+45	4.925+65	1.995	2,346+05	7.352466	7 7 7 5 6 1 1	100	10000	, , , , , , , , , , , , , , , , , , , ,	4.3.07.4	114
	FLOW R	STZE (40)	6) 4	9 9	10.5	122	2 5	191	2	221	146		0 4	7 E	9		
		SCATTER *ROBE	9,845+88	6. 44E+19	1,175,10	9.67E+89	8.84E4E9	7. (35443		4. 7.F 409		60424047	1.535.09	7. WOE + LO	1.636+09		2.67
	PRESSURE: 10 PSI	\$125	~ .	e 10	• 5	21	<b>.</b>	. :	3 8	3 5	3 :		92	82	5	•	0 034

SAMPLE: 1A FFT3 ISING SPRAV TEST BY AFGL
FLIGHT E79-03 ON 21 JAN 79 1 SECOND AVERAGINS
INTEGAL STATE OFFOTISH
PARFICLE SIZT DESTENSIVERALING (NUMBER/MFFT-44) SAMPLE: 1A F. ISHY E79-83 ON 21 JAN 79 1 SECOND AVERAZING INTERMEDIATE PROPERTY OF THE SECOND AVERAZING TO THE SECOND AVERAZING TO THE SECOND AVERAZING TO THE SECOND AVERAZING THE SECOND SECOND TO THE SECOND TO T

9.9 1 ac									. <del></del> .
CAL FACTOR!	P (MB)	4,859	TEMP (C) -12.9	FROSTPOIN	-20.1	TAS (M/S) 121.7	NT (N/H3)	1632811.8 TOTAL	4.90E-01
DISTANCER 100 FT	PRECIP PROSE	4.552+93 1.66E+31	:::	: <b>:</b>				••	3.066-02
DISTAN	SIZE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1241	1835	2429	7023 3326	3617	4211 4538	
FLOW RATER 18 GP4	CL000	5.1.3E+f? 4.14E+87 2.17F+17	8.+3E+06 5.24E+06	2.4 9E+06 1.52E+16	6.56E+CF 3.69E+65	2-166+05	1.516+65	7.765+64	4.59E-01 123
FLOW R	317E (140)	y to the to	12.5	122	151 161	231	741 269	4.0	
13 2ST 420	SCATTER PROBE	8.544.08 2.84E+09 7.74F+09	1,256+10	1.35E+18 9.11E+09	6.33£+09 7.26£+09	4.64E+09	2.28E+09 1.68E+09	7.59E+08 1.32E+09	3.44E-01 20
PRESSURER 13 PST	S12E (MD)	N + 16	• 5	2 4	16 16	02 75	56 26	36	AED D
CAL FACTOPS	P (HB)	ALT (KH) 4.857	TEMP (C) -12.8	FROSTPOINT	-20.1	TAS (M/S) 121.8	NT (N/M3)	1664151.9 mrais	4.34E-81
DISTANCE LOOFT	PRECIP PROSE	1.786+13	:::		:::			••	1.246-72
01519	S17E (40)	3 2 4	1241	1615	2429	3023	3617	4211	
420 FLOW RSTER 18 5ºM	2.DU3	5.30E+07	1.37E+07 8.37E+66 5.29F+66	2.425.05	6-336-85	3.715.05	1.136+05	1.596+04	4.21E-61 114
FL24 RS	S12E (40)	23	& <b>⊕</b> ë	122	191	111	241	15 G	
	SCATTER 2RJBE	7.89E+88 2.52E+69	6.25E+09 1.20E+18	9.986+09	6.925+69	4.73E+09	2.205+69	1. 39E+09	3.56E-01 20
PRESSURER 10 "SI	321S (UN)	N-P		21	2 <b>9</b>	9 6 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	223	25 25 36 37 38 38 38 38 38 38 38 38 38 38 38 38 38	L'NC MED D

	:																	
ING	CAL FACTOR! 6.8	P (#B) 558.1	ALT CKM	4.061		TEMP (C)	-13.1		F D S T P O I M T	-20.1		TAS (M/S)	121.6		NT (N/H3)	1461985.4		TOTALS
TEST BY AFGL 1 SECOND AVERAGING 171384 UMBF2/Mot3-M4)	DISTANCE! 100 FT	PPECTP PROBE	2, 325+13	3,336+31								9.						;
1651 1 5: 1071354 (404654	01574	3218	777	647	**	1241	1538	1015	2132	5629	2726	3023	332C	361.7	3914	4211	4596	
AFFT: ICING SPRAY TEST BY AFGL E.IGHT EFF-BY ON 1 SECOND ANER PARTICLE SIZE DISTREBUILONS (HUMBEZ/HOO3-HH) IYPES RAIM	HZO FLOW RATER 18 GPM	5_000 PRORE	5.365+07	3.666+67	1.58E+47	7.235+66	4.37E+66	2,155.66	9.565+05	6.31E+£5	3.+15+(5	2.796+15	6.8 15+ 6 4	3.7 82+54	3.285+64	2.946.5	1.305+6	
AFFT-63 ON INTER	FLOW R	4176	2.0	*	62		201	12.2	142	191	191	211	121	24.1	16.9	240	300	
r.		SCATTEP PROBE	9.635+08	2.75€+09	7.58E+69	1.386+10	1.405+10	1.136+10	9.80E+03	7.235+09	7.226+39	60+389·4	\$ . 67 E+09	2.41E+33	2.17E+19	6.85E+10	1.396+09	
SAMPLE 1 1A	PRESSUPE: 10 PST	S I Z E	2	•	•	•	97	75	#	97	10	82	22	5*	52	<b>\$2</b>	30	
	8.0																	
9	CAL FACTORE 8.5	P (HB) 550.2	ALT (K4)	4.868		TEMP (C)	-13.6		FKOSTPOINT	~20.1		TAS (M/S)	121.5		NT (N/M3)	1,532317,1		TOTALS
PAY TEST BY AFGL 1 SECOND AVERAGING 1 DB107-018 1S (4UHBER/W**3-N4)	DISTANCE! 100 FT	PROPE	5.92E+13	3.335+31	•	÷	•	٠.	•	0.	j		3.		•	•	•	
1 ST 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S	11516	\$12F (4U)	763	2.39	446	1541	1538	1835	2132	2420	2726	20.0	3320	3 5.1 7	321.4	4211	+ 20 0	
AFFIZ ICING SPAN TEST BY AFGL 14 TEMBLE START 1 10137 31 PARTICLE SIZE DISSRIPTIONS (NUMBER/HP+3-PARTIN)	HZO FLOW RATER 19 GP4	5, 0J3	9-205-87	4.+65+67	2.072037	1-12-+67	5.8 6E+C5	2,365+06	1.372+66	* .5 2E+L 5	4.415435	3.415+65	1,365+05	7.37545	7.30 6+1.4	8.245+64	5.+ ZE+C+	
03 '04 IVTERU SIZE DI	FLOW R	\$115 (M)	2	, ,	62	6	102	122	162	191	181	212	721	242	26.1	25.0	13.0	
4		SCATTER PROBE	97. 235.468	2.55E+09	7.876+69	1.325+18	1.386+18	1.166+10	9,916+69	7.405+69	7.935+69	6.98E+19	A. 15E+09	2.42F+89	1.746+83	7.635+38	1.51E+f9	
SAMPLE : 1A	PRESSURE: 18 PSI	\$12E (MU)	•	, ,		•	9	21	: =	÷		2	2	: *	. <del>.</del>	2.		;

9.0 SAMPLE 1A FFEL AFFT TOTNA SPRAY TEST BY AFFL F.16HT E79-03 ON 21 JAN 79 1 SECOND AVERGING TOTNA TOTAL AFFIC ICIME SPRAY TEST BY AFFI FIGHT EP9-03 ON 21 JAN 73 1 SECOND AVERAGING INTERAL STATTO-21077832\* PARTICLE SIZE DESFERMING (MUM9EX/M\*\*3-M\*) 925.

TOTALS 3.662-81

2.964-32

3.45E~61 112

LW3 3.65E-01 MED 0 20

1074LS 5.495-01

6.84E-32

5.3 9£-41 117

LWC 3.75E-01 MED 0 20

CAL FACTORS	P (H9) 558-1	ALT (KM)	4. 861		TEMP (C)	-13.1		F 20STPOINT	-20.0		TAS (M/S)	121.6		MT (N/M3)	1132863.7		TOTALS	3, 12E-61 138
DISTANCER 140 FT	PREST PROSE	7.196+13	÷		:	÷						•				÷		4.66E-32 484
01574	SIZE (MU)	101	647	346	1241	1538	1835	2132	6242	2726	3023	3326	3617	3914	4211	4588		
FLJW RATER 16 GOM	C_0JJ P208E	7.36E+£7	4.2 SE+67	1.306+07	5.39€+16	3,3 35+86	1.802+06	9.185+05	3.152+65	3.415+05	1.5 SE+05	1.7 8E+C5	7.576+04	3.285+34	1.425+04	1.27E+84		2.6%-61 111
FL34 R	\$12E (40)	23	<b></b>	29	82	132	122	142	161	181	201	22.1	241	26.1	283	£ 0 %		
M20	SCATTER PROBE	1.236.09	3.15E+09	7.75€+69	1.352+18	1.496+18	1.235+10	1.14E+10	0.17E+09	8.79E+09	5.42E+09	4.93E+09	3.186+89	2.22E+#9	9.635+98	1.69 €+89		4.33E-01 21
PRESSURER 10 PSI	S12E (UM)	•	3	•	•	<b>5</b>	21	1	91	97	20	22	*2	92	82	36		LIEG D
9.0																		
CAL FACTORS	P (#B) 540.1	ALT (KH)	4. A61		TEMP (C)	-13.0		F20STP0INT	-50.0		TAS (M/S)	121.4		N4 (N/H3)	1942334.5		TOTALS	5.02E-01 119
DISTANCES 139 FF	PRECIP PROBE	2.596+17	1.675+31		•		<b>:</b>	-	;	•	ċ	•	÷	•	÷	-		1.77E-12 408
PISTA	SIZE	7 07	547	746	1241	1538	1835	2112	5429	2726	3923	3320	3617	3916	4211	4594		
M20 FL)# RATER 19 G34	0,010 P203E	5.582+17	5,365+67	2.202+67	1.196+07	5.2LE+C6	2,39E+65	1.365+76	5.38.465	5.405+65	3.61E+u5	3.07E+f5	3.79€+64	T. 5 5 4 (1 + L +	3.315+64	2,716+04		4,95E-11 115
FUNR	\$12E (40)	6	E 7	62	82	201	122	1+2	161	181	23.1	22.1	7*2	268	289	303		
	324TTER 3839E	1 35+69	2.75€+69	6. 41 E+49	1.27E+10	1. 36E+10	1.12E+18	945.409	7.496+#3	8.01E+09	4.87E+69	4.08€+09	2.61€+09	1.926+69	8.66.09	1. 61E+69		3.83E-01 28
ESCUREN 19 PSI	\$12E (MU)	N	•	ď	•	1	12	:	79	19	28	22	*2	56	82	8		

La Marchard Att to the Section

SEMPLE: 1A

	9.0							
y z	CAL FAFTOR!	P (#4) 550.1	ALT (K4)	TEMP (C) -12.9	FROSTPOINT -19.9	TAS (M/S) 121.1	538085.0 TOTALS 1.67E-01	S Z
AFFTZ ICING SPRAV TEST BY AFGL 13 ON 21 JAN 79 1 SECOND AVERASING INTERAL SARITA 01887: TF REE DISTRIBUILINS (MUMBER/MPH3-MM)	DISTANCE: 100 FT	PRECIO	2.45E+33 1.57E+91				1.91E-12	EST RY AFGL 1 SECOND AVERAGING 7:43" WRER/WR*3-44)
1 5 1871 TF (NUMBE	DISTA	SIZE	101	1241	2132 2429 2726	3923	450	7657 1 3 107143 (NU465)
AFFI: ICING SPRAY TEST BY AFGL IGHT E79-63 ON 21 JAN 79 1 SECOND AVER I JTERME STATT*01:877** PARTICLE SIZE DISTRIBUTIONS (MUMBER/A**)-MY)	H20 FLIW RATE: 18 6PM	2, 043 22, 043	2.535+07	10.00 10.00	2.3011473 1.994475	3.425.04 3.425.04 9.	3.0 5E+04 2.1 4E+04 1.4 85-61	AFFTS ISING SPRAY FEST BY AFFL  ISH E79-03 ON 21 JAN 75 1 SECOND AVER  INTERNAL START#**DED7843* PARTICLE SITE DESTRUMING (NUMGER/M**3-44)
4FFT3 03 ON 14TERU SIZE DI	FLJW RE	S.17E	5 4 4 5 4 5	102	161	224		AFETON D3 ON INTERN
u'		SCATTEP PROBE	1.24E+09	1.586+10 1.686+10 1.486+10	1.27E+10 8.89E+09 0.05E+09	6,53E+03 4,73E+09 3,14E+19	1.84E+09 1.84E+09 4.55E-01	u.'
SAMPLE: 1A	PRESSURER 10 PSI	SIZE (MU)	V & V	. # ±	1198	22 25 26 26 26 26 26 26 26 26 26 26 26 26 26	28 38 38 NEO O	SAMPLE 1. 1P
	0.0							
S LN	CAL FACTOR: 8.0	550.1	ALT (KM) 4.861	TEMP (C) -12.9	FROSTPOINT -19.9	1AS (M/S) 121.2 NT (R/M3)	921675.2 TOTALS 2.41E-01 114	tng
EST BY AFGL 1 SECOND AVERASING 7 175 5 Umber/mamma	DISTANCE: 100 FT	PRECIO PROBE	1.345+711.4.7575+71		: • • •	• • • • ·		AFFT) LUING SPRAV TEST BY AFGL 1 AN 21 JAN 79 1 SECOND AVERACING INTEPAAL STARTEON 127155* IZE FRING (NUMPERAMES-44) TYPEI RAIN
1657 ( 1.5: 107:154 (NU48E:	DISTA	SIZE (MU)	10 10 10 10 10 10 10 10 10 10 10 10 10 1	1538	2429	3321 3321 7617	4511 4508	1651 137135 (NUM PE
AFFT: ICING SPRAY TEST BY AFGL IGHT E79-N3 ON 21 JAN 79 1 SECOND AVER I HERMAL STRATT+08107775* PARTICLE SIZE OLSTREBITIONS (NUMBER/M+++3-MM)	HZD FLOW RATER 18 GPM	೧ <u>. 0</u> 00 9₹08Ē	3.51E+07 7.1 FE+07	5.72E+05 2.36E+06 1.27F+06	7.35E+L3 3.55GE+L3 3.14E+L5	1.362+05 1.32E+05 7.39E+04	0. 0. 2.38E-u1 112	AFFTS TOLING SPRAY TEST BY AFGL ISHT E79-UK ON 21 AN 79 1 SECOND AVER INFEMEL STAFTF#00137185* PARTICLE SIZE DISHRAINS (NUMPEK/M***-MY)
AFFT3 N3 ON INTERV SIZE OI	FLOW RE	SIZE (40)	5 to 20	1122	145 161 181	201 221 241	300	AFFT; LYTEPW SIZE OF
4		SCATTER >208E	1.105+49 2.31E+49	1.35E+10 1.52E+10	1.056+10 7.336+10 8.426+09	5.34E+09 4.84E+09 2.64E+09		u.'
SAMPLE: 1A	PRESSURE: 18 PSI	SIZE (MU)	Po of the	******	125	22 23	28 30 30 1,440 1,400 1,4	SAMPLE: 1A

CAL FACTOR	(4A) q	B • B < C	ALT (KH)	₽. 86 T		7EMP (C)	-12.6		FPOSTPOINT	-19.9		TAS (M/S)	120.7		MT (N/H3)	947684.9		TOTALS	1.056-01	186
PISTANCER 100 FT	PRECIP	76.034	3.			.0	0	.0						•					•	•
MISTA	3218	Ĉ.	3 (3	1 40	116	1241	1538	1835	2132	6246	2726	₹023	3390	3617	3914	4211	4508			
FLOW RATER 13 GPM	0.000	# 2 2 1	3.5354[7	2342464	1.015+07	7.245+T6	2.375+65	1.18500	6.74E+(5	4.5 CE+C 5	2.865+05		3.435+64		.,		ċ		1.956-01	106
	5175	2	23	*	5,	3.2	132	122	142	191	181	707	127	241	260	980	390			
3 251 420	SCATTER	480	1.2454.9	3.85E+09	9. 42F +79	1.715+10	1.85 0 + 10	1, 45E+13	1,29E+10	9.23E+19	9.53F+09	5.69E+09	5.146+09	2.9JE+09	2.73E+49	1.34E+09	2.51E+09		5.006-01	23
PRESSURER 13 PST	SIZE	041	2	,	٠,	10	01	12	**	91	1.8	02	22	<b>5</b> *	26	<b>62</b>	30		Ę	0 G3H
8.0																				
CAL FACTORS	(MR) 0	•	ALT (KM)	4.851		TEMP (C)	-12.9		F>0STPOINT	-19.4		TAS (M/S)	121.2		NT (N/M3)	946767.1		TOTALS	2.47E-01	117
DISTANCER 160 FT	PRECIP	r L	1.625+13	1.67F+11		•	•	•	e.	0.		•		:	•	•	•		1.135-12	411
DISTA	3218	3	7 04	647	<b>3</b> 56	1241	1538	1835	2132	5429	2726	3023	3321	3617	3916	4211	4508			
TE 1 13 GP4	3,003	1663	3.736+07	2.425+67	1.275+07	3,45,45	2.472163	1.368466	7.575+55	2.545+[5	3.132+65	9.315+64	1.175415	3.7 95+ [4	2.485604	1-035464	1.1351.4		2.36E-01	111
HZO FLOW RATE	3176		23	۳, ۲.	95	85	132	122	142	161	181	191	221	147	260	280	339			
	5247769	4 2 3 4 5	1.15E+69	3.436+09	8.47E+PS	1.506+10	1,595+10	1.256+10	1.10F+10	7.545+03	8.746+03	5.22E+09	4.27E+09	2,53€+69	2,14E+09	9.595+08	1,72E+69		4.13E-01	20
PRESSURE: 13 SI	3175	6	2		'n	•	70	12	<b>1</b>	15	81	02	22	<b>\$</b> 2	92	<b>52</b>	99		2	MED D

8.0

SAMPLE 1 1B

		-	TYPES SAIN						_	TYPET ZAIN				
PRESSURER 10	0 SH IS 4 0	FLOW	RATE: 18 GOY	NATSIC	DISTANCE: 100 FT	CAL FACTOR	8.0 PRESSURE: 13 3ST		FL 3H RA	HZO FLOW RATER 18 SPM	DISTA	DISTANCE: 100 FT	CAL FACTON 6.8	
\$12E (#!)	SCATTER >R19E	5715	5, 6J3	SI7E (4J)	PRECIP	55L.1	S172 (4U)	SCATTER PROBE	317E (40)	5.0J7	STZE (MJ)	995578 PRO98	550.0	
· •	4.4974.7	~·,	1	a le e t e	**************************************	(2)	N	1.415+09	100	5155+67	404	1.676+93	ALT (KH)	
٠٥.	(F)	<b>^</b> •		., • .• .•		( ) ( )	- م	9.77E+09	× 0	1.1 55 46 7	1241		TEMP (7)	
" :.	7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ָרְי,		a - 5 - 1	• ••	-12.5	67	1.906+10	123	3.015+05	1538		-12.0	
75	1.518+13	ä	2-2-1-6	1112	٠.	Tuttoot sour	2 :	1.475419	227	1.065+06	1435		10001000	
<b>:</b>	1,35 + 10	14.2	5.4454.5	2132	•	0 0 1 0 0 1 4 0 0 1 4 0 0 1 4 1 0 0 1 4 1 0 0 1 4 1 0 0 1 4 1 0 0 1 1 1 1	+ 4	3. thread	1 4	2.6 35+0.5	2677		B . B . C	
٠.	5.755+4.5	151	2 1432 1 6	27.5		•		9.41.5.69	191	1.14=+65	2726			
2 7	5.712+03	127	6.222+64	3323	:	TAS (4/5)	20	5.6+E+09	11.	1.552465	3923		TAS (M/S)	
22	4. 32E+09	22.1	6.342.64	135€	•	121,0	22	4.55E+09	224	1.715+05	1320		121.3	
<b>5</b>	2.87E+09	7.7		3617	•	T (5,42)	7.7	3.435.469	1 4 7	4041667	7162			
5.	2.255.409	3.0	414196	121		953626.8	2 5	1.235+19	2.0	3 4 5 7 6 4 4	4211		1009864.1	
K E	1.075403	300	3,395+0+	4 2 2 5			30	2.275+69	3.5	1.305+04	4506			
2	60.360.4	•			000000	TOTALS	5	10-4"2"7		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 255-13	TOTALS	
100 100 100 100 100 100 100 100 100 100	4.69E-C1 20		108		60 •	120	463.0	20		112		410	110	
PRESSUPER 13 "SI	13 ° 51 H20		FLIN RATER 15 GPM	71514	DISTANCEL 100 FT	CAL FACTORE	ISc [T #BonSSEEc 0*8		FLD# RA	HZO FLOW RATER 13 SOM	\$1210	DISTANCED AND FI	CAL FACTORE 8.0	
SIZE (44)	S2ATTEP PP39E	S17E	360 ec 060 70	\$12F (HJ)	36.Ced d103ed	6.648 (AA)	SIZE	STATTER PPORE	S17E (40)	5,0J3	SIZE (MU)	PRECIP PRJAE	750.0	
•	1.615409	2.2	4.32F+L7	707	1.865+13	BLT (KM)	7	1.425+09	23	5.162+67	707	1.485413	ALT (KM)	
	4, 158+03	, pr	2,355+67	5.47	3,355+11	4.864	*	7. 96 E+09	£ 4	3.475+67	547	1.67E+11	4. 96 3	
• •0	9.615+09	2,	1.465467	7 %	9.		S.	1.01.010	62	1.455+67	716	•		
•	1.736+10	82	5.005+15	1241	<b>.</b>	TEMF (C)	•	1.80E+10	85	7.325+66	1241	•	TEMP (C)	
33	1 - 0 July + 1 to	192	3.35/1+26	1538		-12.7	10	1.00E+10	122	3.185966	1538		-12.8	
2 :	1.296.10	127	1.0465	21.12		FPOSTPOINT	: 3	1.295+10	241	6.72E+L5	2132	: -	F DSTPOINT	
1 12	8.945+39	161	3.106+65	6742		6.61-	91	8.53E+69	191	4.275+15	2429		-19.9	
2	9.235+09	141	3.155+65	2726	3.		18	9.52E+09	181	3.1 35+65	2726	•		
23	5.645+09	201	1.255+65	3023	•	TAS (M/S)	50	5.445+09	201	1.55E+05	3023	:	TAS (M/S)	
25	4.93E+03	22.1	1.135+55	1 1 2 0	E. (	120.6	<b>5</b> 5	4.55E+09	221	3.425+0+	3326	•	121.1	
2,5	2,916+69	241	7 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1917		NT (N/M2)	* 20	2. 45E+69	7 5 7	7.125483	101	<b>.</b>	12777	
() () () ()	1.436+03	283	1.436.04	4211		1128407.5	<b>58</b>	1,16E+09	280	1. 5. 2E+ F 4	4211		1242657.5	
30	2.28E+39	333	1.235.64	45.8	•	9 14 1 1	30	2.09E+09	13.3	9.335+63	4538	•	- in	
Ş	4.93		2.736-01		1.175-12	2.67E-01	OM 7	4.65E-01		2.56E-61		1.056-32	101 ALS 2.77E-01	
(C)			1.13		+15	113	HED D	23		705		11,	185	

- A Delet & Air San Springer

SAMPLE: 18 FLIGHT EP9-03 ON PL JAN 76 1 SECOND AVERAGING TVEGRAL STATIS-03:07:4/7 PARTICLE SIZE OUTSTBUILOWS (MUMBER/MS-NA)	
SAMPLE: 18 F.1GHT E79-03 JV 21 JAN 79 1 SECOND AVERAGING 1 TEWAL STATT-90007145* PARTICLE SIZE DUILLYS (WUMBER/V**; MV)	

:																				
CAL FACTORS	9 (46)	558.1	ALT (KH)	4.863		TEMP (C)	-12.8		FROSTPOINT	-19.9		TAS (M/S)	121.6		NT (N/F3)	1595184. 7		TOTALS	4.176-01	P. 7. 7.
DISTANCE: 130 FT	PRECIP	38034	4.16E+31	6.65E+31									•					}	3.636-33	20
DISTAN	SIZE	£	40,	740	916	1241	1538	1835	2132	5429	2726	3023	3320	3617	4 161	4211	4536			
HZO FLJW RATE: 18 GPN	c. 0J3	₹00 £	5.796+67	4.265+07	1.995+67	9.726+16	3.9 35+66	2.235+€6	1.125+66	8.976+05	5.39E+C5	6.12E+E5	1.366+05	1.516+05	:				4.13c-f1	211
FL 34 RI	3778	3	23	*	62	82	707	122	142	161	191	211	122	14.	260	293	300			
	SCATTER	>R086	1.63E+09	4.70€+09	1.136+10	1.85E+10	1.946+10	1.51E+10	1.336+10	8.616+09	9.27E+03	5.52E+09	4.6ôE+C9	2. 81E+09	2.11E+09	1.156+09	2.346+09		4.71E-01	•
CAL FACTOR: 8.0 PRESSURE: 10 PSI	317E	<b>9</b>	~	3	•	•	7.0	12	<b>*</b>	16	13	20	25	<b>3</b> 00	26	29	30		OM 1	
	P (HB)	6.643	ALT (KM)	4.864		TEME (C)	-12.8		F-OSTPOTNT	-19.4		TAS (M/S)	120.6		NT (N/M2)	1437272.9		TOTALS	4.11E-01	, ,
NISTANSER 1:0 FT	PRECIP	360ad	4.015+33	1.682+31	.;		;	•	•	•	•	•	.;	•		•	÷.		2.71ë-32 407	-
nISTAN	3218	E	101	7 40	116	1541	1578	1935	2132	2429	2726	3923	3320	3617	3914	4211	4508			
HZO FLOW RATE! 13 GPM	3, 000	3 <b>60≥d</b>	6.515+07	3.552+07	1.95€+07	3.35£+65	4.375465	2.41E+1.6	9.335+1.5	3.182+63	4.115+05	1,255+15	5.37c+C4	1.3 35+[ 5	3.34E+L4	6.430+64	4.125+6+		7,345-11	
FLOW R	2115	Ŝ		£ 3	5.2	82	102	122	142	191	191	112	221	241	0.5%	283	393			
	SCATTED	9 PO B.E.	1.572+09	4.36E+49	1.07E+10	1.63E+10	1.78E+10	1.336+10	1.15€+10	9.05€+69	9.15E+19	5. 41 E+. 9	4.546+89	2.38£+39	2.12E+09	1. 125+59	1.595+19		4.33E-01	;
PRESSURE: 10 PST	\$125	(HC)	~	•	œ	•	9	75	=	91	97	92	27	*2	56	29	2		100	

SAMPLE: 18
F.IGHT ET9-63 O4 21 JAN 79
1 SECOND AVERAGING
1 VECKAL STATE OFF 1071645\*
PARTICLE SITE DISTOLUTIONS (NUMBER/WOOS-MM) AFFI IN 46 SPRAY TEST BY AFFI FLIGHT E79-03 ON 21 JAN 79 1 SFOND AVERASING INTERVAL STARTH-OF 137145\* PARTICLE SIZE DISTRIBUTIONS (NUMBER/MW-X-MM) SAMPLES 1R

CAL FACTOR:	P (HB) 549.9	4LT (KM)	TEMP (C) -12.4	FROSTPOINT -19.7	TAS (M/S) 121.9	NT (N/H3) 1649176.6	10TALS 6.63E-01 167
DISTANCER 180 FT	PRESIP	1.55E+14 0. 0.				0.16	1.89E-J1 484
DISTA	SIZE	104 547	1241	2429	3023	391 4 4 21 1 4 5 1 8 1	
RATER 19 GOM	2, 0U3 9≹39£	6.36E+67 3.99E+67 1.74E+67	7.30E+c6 4.25E+c6 1.45E+C6	9.22E+65 4.28E+65 4.25E+65	2.14E+05 3.77E+05	3.33E+C4 3.83E+C4 2.36E+C4	3.54E-01 113
FLJ¥	SIZE (4U)	0 t 0	132	1915	201 221 241	263 333	
18 ° 51 H20	SCATTER PR98E	1.60E+49 4.64E+09 1.19E+10	1.996+10 2.026+10 1.536+10	1.28E+10 8.76E+09 8.55E+09	4.89E+09 4.43E+09 2.58E+69	2.17E+09 1.25E+09 2.03E+09	4.53E-01 20
8.0 PRESSURE: 10 PST	SIZE	OV E IN	* 57	3 9 8 4 4 4	25 22 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25	26 26 30	HEGO
CAL FACTORS	6 (MB) 550.0	ALT (KM)	TEMF (C) -12.8	F00STP0INT -19.5	TAS (M/S) 171.3	NT (N/M3) 1502082.0	3.64E-01 113
DISTANCE 130 FT	96099 PR03E	2.56E+13 5.01E+11	· · ·		<b>.</b>	• • •	1.906-12
01511	SIZE	5.4 5.4 4.7	1241 1538 1815	2132 2429 2726	3023 3326 7617	3914 4211 4508	
420 FLOM RATER 18 GP4	3_093 9403E	5.59E+17 4.18E+67 1.31Z+17	7.375+66 4.116+66 1.375+66	9.3 CE+05 3.5 JE+05 5.1 ZE+05	1.365+i5 6.345+i4 7.385+i4	3.7.400 1.0.000 1.0.000 1.0.000 1.0.000 1.0.000	3,446-61
FLOM R1	S17E (40)	64 13	201	142 161 181	22.1 24.1 24.1	250 130 300	
	SCATTER PROBE	1.43E+89 4.23E+89 1.04E+18	1.86E+1. 1.77E+1. 1.46E+19	1.20E+13 8.39E+89 8.43E+09	4.47E+09 4.47E+09 2.5?E+09	2.07E+09 1.01E+69 1.92E+69	6.33E-01
PRESSUOE 10 PSI	512E (199)	ns ec 19	<b>9</b> C 7	31 31 31 31 31	22 22 22 24 2	2. 2. 5. 2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	LNC NEO O

The state of the s

CAL FACTOR:  P (MB) 969.9 ALT (KM) 4.864 TEMP (C) 12.8 FAOSTDDINT 12.8 FAOSTDDINT 12.8 FAOSTDDINT 12.8 FAOSTDDINT 12.8 FAOSTDOINT 13.402.9 ALT (KM) 14.864 TEMP (C) 15.6 TAS (MK) 14.864 TEMP (C) 15.6 TAS (MK) 14.864 TEMP (C) 15.6 TEMP (C) 15	TOTALS 2.386-81 188
TEST BY AFGL  1. 3. 5. 5. 0.00 a VERAGING STANCE 1.00 FT  SIZE PREST PROBLES  4.1 4.1 75 F 3 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1.555-13
7 177 MG SP4 MY 79 PE 1 1 1 MW 79 PE 1	2.37F-61 109
SAMPLE 18 F_IGHT E79-03 ON  8-0 PRESSURE 10 PSI H20 FLOW R  2 1.66E-09 4.3 6 4.25E-09 5.0 12 1.66E-09 4.3 6 4.25E-09 10.2 12 1.66E-09 10.2 12 1.66E-09 10.2 12 1.66E-09 10.2 13 7.76E-09 10.2 14 7.76E-09 10.2 15 7.76E-09 10.2 16 7.92E-09 10.2 17 7.76E-09 10.2 18 7.76E-09 10.2 19 7.76E-09 10.2 19 7.76E-09 10.2 19 7.76E-09 10.2 11 1.96E-09 10.2 12 1.47E-09 10.2 13 1.96E-09 10.2 14 7.76E-09 10.2 15 7.76E-09 10.2 16 7.76E-09 10.2 17 7.76E-09 10.2 18 7.76E-09 10.3 18	LWS 4.33E-01 NED 0 20
AL FACTOR:  P (HB)  S50.0  1T (K4)  4.867  S19.6  19.6  10.73  TOTALS	2.71E-01 107
##Y FEST BY AFGL *QUY FEST BY AFGL *QUINTER   He T - H   H   H   H   H   H   H   H   H   H	1.54E-1.7
PARTICLE STEE DISTRIBUTIONS  AFFT: ICING SPORT TEST BY AFGL  ATERNAL STATES OF 07143"  PARTICLE STEE DISTRIBULINGS AND AVERACHM  PSI HZG DISTRIBULINGS (NUMBER/H++T-44)  I VEST AT 18 CPM DISTANCE 100 FT C  AND TEST AT 18 CP	2.59E-f1 187
SAMPLE 18 F.TGNT E79-0  PRESSURE: 13 PST H20 F  SIZE SCATTER  10 2.1-116-09  6 1.37-26-09  6 1.37-26-09  10 1.35-110  10 1	LWC 4.65E-61 MED 0 20

SAMPLE: 18 AFFT ICING SPRAY TEST BY AFGL	1961	PARTICLE SIZE DISTAIBULIONS (NUMBER/Me+3-M4)	TYPES RATE
18 PATH BEATH ICING SPRAY TEST BY AFGL.		PARTICLE SIZE DISTRIBUTIONS (NUMACRAM * 3-44)	PHTO PHONE

SAMPLE

:							
CAL FACTORS	658.8	ALT (KH) 4.863	TENP (C) -12.7	FPOSTPOINT -19.4	TAS (M/S) 121.8	NT (W/43) 566394.5	2.61E-81 176
DISTANCEL 188 FT	PROBE	1.436+74				•••	9.376-32
DIS 74	\$12E	368	1541	2132	3320	3914 4211 4518	
FLOW RATE: 18 6P4	3, UUD P408E	2.542487 1.47E+C7 5.83F446	3.23E+65 2.42E+66	1.025+66 2.11E+05 2.035+15	9.835eu4 3.52E+0.4 3.9u2+0.4	3,29E+04 2,95E+04 2,55E+04	1.982-C1 128
	S12E ( 40)	6.3	192	161	127	26.1 78.1 3.10	
0 PSI H20	SCATTEP PROBE	5.6JE+08 1.9+E+09 5.77E+09	7.27E+09 6.26E+09	3.97E+69 3.13F+69	1.71E+69 1.21E+69 6.53E+08	4.45E+u3 4.53E+08 4.84F+08	1.316-01
8.0 PRESSURER 10 PSI	3 7 ZE (MU)	N & N	- C	7 7 7 7	2001	9 5 F S	CWC MED 0
CAL FACTORE	P (FB) 550.9	ALT (KN) 4.853	1E4P (C) -12.8	F = 0.STP 0 I 4T -19.5	TAS (M/S)	A14720.6	3.C7E-01 141
DISTANCE'S 198 FT	P209E	7.135+13			. ಎ.ಆ. ಪ		4.69E-12
01574	S17E (MU)	1 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1541	2432	3326 3326 3517	7914 4211 6588	
TE1 18 6P4	7_00J7	2.36E+37 2.30E+07	4.6 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.15c+6c 3.17c+15	1.8 75+02 2.455+65 3.3 (E+74	2.3 35+64 1.5 25+64 1.206+34	2.5uE-C1 126
420 FLJW RATE: 18	\$12E (41)	623	122	151	1221	33,	
	SCATTER 3208E	1, 51E+39 4, 65F+09	1.616.10	1.09E+13 7.32E+09 7.21E+09	4.25E+63 3.70E+09 2.11F+09	4.13E+69 9.33E+09 1.82E+09	3.84E-11 20
PRESSURE: 19 PST	SIZE (MU)	N æ d	* 51	7 7 5	1 2 2 5 5 2 5 6 7 5	28 23 23 24	LWG HED O

AFFIT TOTMS SPRAY FEST BY AFFILL SHT F79-CT NY 21 JAN 75 1 SFOND AVERATING INTEGRAL STATE-06137755\*
PARTICLE SIZE DIEFRESHING (MUMBER/MR-3-44)
TYDER RAIN SAMPLE 1 1P

	CAL FACTOOS	(BH) 4	6.056	ALT (KH)	£. 852		TEMP (C)	41.9		FROSTPOINT	-10.1		TAS (M/S)	128.4		MT (PVM3)	1641909.6		TOTALS	5.106-81	:
	OTSTAUCE 103 FT	PRECIP	PROME	1.548+74		•	•		:	:	•	•	•		÷		-	•		1.015-11	į
	0 IST4	321S	(¥	4 64	647	746	1541	1538	1835	2132	2429	2726	3023	3320	191	1914	4211	4508			
	HZO FLJW RATES 20 GPM	3,000	24085	4.+25+67	4.245+07	2.1954.7	9.42E+86	5.192+05	1.32E+06	1.165+16	6.11E+f5	5.7 35+05	3.7 5E+05	6.986.04	7.545.04	+ . 9 4E+0 4	3.37E+6+	2.7 5€+04		4.1 7E-01	211
•	FLJW RA	SIZE	3	23	۴,	62	82	132	122	142	191	161	27.1	122	24.5	15.1	280	300			
		STAFFER	PRJAE	7.075+08	2.11E+09	4. 93E+09	9,275+69	1.116+10	1.01E+10	8. F. E+09	7.0+E+59	8.075+03	5.47E+09	4.23€+09	2.845+89	1.775+09	8.515+68	9.88E+08		3.61E-01	20
	8.0 ovessure: 10 sst	311S	CHI	N		un	•	2	12	=	16	10	202	22	*2	90	23	30	!	24.7	NES D
	CAL FACTOR	(4b) d	E50.1	ALT (KH)	4.853		1EMP (C)	-12.8		F-40STPOT NT	-19.5		185 (M/S)	121.0		NT (N/HZ)	1113467.7		TOTALS	3.416-91	146
	THE TOT BECKELSIO	PRECIP	360èe	8.146413	•		•	•	٥.	•	.;	•	•			:	•			5.156-12	\$ <b>.</b> *
	015114	5175	Ĵ	+3+	547	776	12+1	1538	1435	2132	5429	2726	317.3	1321	3617	3914	4211	8754			
	FLOW PATER 15 GP4	3,000	25035	2.756+67	2.5 1E+C7	1.835+07	5.31=+00	3.2 LE+65	1.345+46	7.36E+65	6.36E+6.5	3.716+65	3.116+05	1.376+15	3.805+64	5-495+14	1.5 75 + [ 4	1.462+64		2.885-61	123
	FL 24 P3	3215	ĵ.	23	*	۲5	32	1.2	122	1+2	151	191	400	1,1,1	747	75.0	780	£0.			
	H20	SSATTEP	38146	1.176439	3.54£4.9	9.475+69	1. 385 +13	1.23E+10	0.72E+09	7.07E+09	5.15£+49	5.77E+u3	3.30E+69	2.63€+09	1. 42E+C9	1.215+69	6.89E+68	1.216+69		2.74L-01	20
	PRESSUPTI 10 251	3218	(HI)	ħ1	•	.0	•	7.	12	#	91	5	20	22	<b>7</b> 2	60	£.	33		3	0 034

3 E C	CAL FACTORS	P (MB)	ALT (KM)	4.647		TENP (C)	-11.9		FROSTPOINT	-18.1		115 (4/5)	119.7		FT (B/H3)	2141703.6		TOTALS	922
7.637 BY AFGL 1 3.50MD AVERAGING 14.59 B 10.4852/HO+3-N4)	DISTANCES 198 FT	PROME	6.215+34		•						-		•	•	•		÷	***********	***
1557 g 1 35 114199 (NUV 854	DISTAN	3126	3	64.7	3	1241	1538	1935	2132	2429	272 €	3923	3320	3617	3914	4211	4504		
AFFT: TOTMG SPPAY TEST BY AFFG. F.IGHT E79-63 ON 21 JAN 79 1 SECOND AFFG. 1 TREAST. STATIONS 114-599* PARTICLE SIZE OLSTRUGHINS (NUMBEX/Me+3-M4)	HZO FLOW RATES 20 GPM	71.00J P\$08E	4.77E+F7	5.446.7	2.7.1E+C7	1.235+67	6.11E+25	3.415.66	1.752.16	8.516+65	4.356+65	3.145415	1.115.05	1.1 52.15	1.237465	1.245.63	1.116.65		124
AFFT; -63 ON 14TERY SIZE OF	FLOW FI	S12E	23	3	62	8	132	122	14.2	161	101	23.1	22.1	2+1	260	2.53	333		
r,		SCATTED	2.065+38	6.125+08	2.465+09	3.50E+09	2.79E+u9	2.2264.9	1.875+49	1 . 4 % E + 69	1.675+09	8.435.08	7.835 +.8	3.59E+08	2.755+118	9. 34E+"7	2.455+08		
SAMPLE 1 2	9.0 PRESSURER 10 PSI	SIZE (HJ)	~	-3	•	•	10	12	**	· \$1	10	26	25	26	56		36		#E. 9
9	CAL FACTOR: 9	P (NA) 556.6	ALT (KH)	4.854		TEMP (C)	-12.		FOOSTPOINT	-18.2		TAS (4/S)	126.9		N. (N/NA)	7207128.5		TOTALS	111
TEST BY AFGL 1 SECOND AVERAGING 14155* Wumberzympfs-H4)	DESTANCES 100 FT	PRECIP	3.756+93	5.06E+11	•	•	•				9.	•	•	-				2.645-13	613
1 1 3 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1	OISTAN	SI7 <sub>L</sub>	404	<b>1 3</b>	116	1541	1538	1.135	2132	5450	2726	1,23	3 32 0	3617	3914	4211	4598		
AFFI SPRAY TEST BY AFFI.  LENT ET9-83 ON 21 JAN 79: 1 SECOND AVER THERAL STATTFOBILGESS*  PARTICLE SIZE DISTREBUTIONS (MUMBER/MPS3-M4)	TE 1 20 6P4	0.030 PR085	6.785+6.7	5.38E+P7	2.386.67	1.316+67	5.55E+66	3,965066	1.355+66	7.456+65	5.4.5+6.5	2,512+65	1.7 26+45	₹.93€+64	4.596+64	3.352+[4	2.37E+0.	1 90	107
AFFTS I 14FERAL SIZE DIST	420 FLOW RATES	312E (40)	<b>20</b>	<b>*</b>	62	6.	102	153	145	161	191	201	221	241	<b>56.</b>	162	433		
AFFT ICELENT EP9-93 ON 21 11ERVAL PARTICLE SIZE DISTE		SCATTER 2279E	7.59E+08	1.785+19	6.7JE+89	9.216+43	1. 38E+10	8.08E+09	7.29E+03	5. 88E+. 9	6.35E+09	4.57E+19	3.63E+09	2.552+09	1.33E+69	7.855+68	9.23-+08	7	50
Sandle: 2	PRESSURET 10 2SI	STZE	N	•	40	•	3	75	**	16	53	2	;;	<b>5</b> *	<b>%</b>	82	30	Ş	ME7 D

3:

PRESSURE: 13 PST H20 FLOW PATE: 23 GPM 31STANDE: 120 FT CAL FACTOP: 9.0 PRESSURE: 13 PST H20 FLOW RATE: 23 GPM PATE: 24 PST CAL FACTOP: 9.6

AFFT FING SPRAY TEST BY AFFE.
F.IGHT ETG-03 ON 21 JAN 79 1 SECOND AVERACING
THTANAL STRATIGOSSINS SPRAY
PARTICLE SIZE DISTRABLITINS (NUMBER/NO-3-MM)

SAMPLE: 2

AFFTO ICING SPRAY TEST BY AFGL 1 SECOND AVERACING 1 VAFERAL STATIFODILLIST PARTICLE SIZE DISTRIBUTIONS (NOWFEX/MP+3-M4) TYDE: RAIN

7 (#8) 558.5	4LT (KH) 4.856	1EMP (C)	F405TP01NT -18.4	119.7 119.7 HT (N/HB)	2277565.1 TOTALS 5.65E-01
36080 d10380	1.50F+73 1.69E+31		•		0. 0. 1.065-32 411
SIZE	74	1241	2132	3023 1320 3617 3914	4 21 1 4 20 8 4 20 8
5, 3U3	6.33E+u7 6.13E+C7	1.315+6.7 5.75+6.6 7.187+6.6	1.72E+06 3.51E+05 5.47E+05	1.995+53 2.775+53 1.155+63 4.077+54	1.66666 1.008464 5.546.1
5172 5417	E: 3	22.65	161	32.22.00	30 to 00 to
SCATTER PROBE	5.35E+u?	4.475+08 8.795+48 5.275+08	4.916.408 3.916.408 2.526.408	2,033mm+03 1,033mm+03 2,033mm+03 4,034mm+03	1.57E+07 1.57E+07 1.42E-02 19
SITE	, E 13	• • • • •	1499	2	23 33 HED D
P (HB) 550.4	ALT (KM) 4.854	TEMP (C) -12.1	FROSTPOINT -18.2	TAS (M/S) 119.6 MT (M/M2)	774759.1 707ALS 8.95E-01 140
PPECIP	3.22E+14.00.				0. 2.12E-11 464
SIZE	325	1241	2132	3323	4 2 4 4 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
5,043 92335	9.76E+0.7 7.10E+0.7	3.505+67 3.505+67 3.505+65	2,375+f6 9,375+f5 7,496+f5	7.51F+LS 4.49E+f5 0.22E+f4	5.45E-64 5.77E-04 6.83E-61 103
(AL) ∃215	233	132	161 161	22.23	20 C
SCATTER PP38E	4,23E+08 1,48E+49	7.55E+49 6.66E+09 5.45E+03	4.67E+09 3.58E+09 3.64E+09	2.45E+09 2.11E+09 4.25E+69 6.63E+69	1.76E-01
\$17E (MJ)	N 2 11	113	445	22.5.0	S A S A S A S A S A S A S A S A S A S A

SAMPLES 2

SAMPLE: 2 AFFTS ISING SPRAY TEST BY AFGL	FLIGHT EY9-63 ON 21 JAN 79 1 SECOND AVERAGING	INTERVAL STARTI+00:15:02+	PARTICLE SI7E DISTRIBUTIONS (NUMBER/M+44)	7046 4467
SAMPLES 2	FLIGHT E79-63 ON 21 JAN 79 1 SECOND AVERAGING	TRIERVAL STARTI-00°	PARTICLE SIZE DISTRIBUTIONS (NUMPER/M**3-44)	2046 41620

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	•																				
	CAL PACTOR! -9.8	(8H) 4	428.4	ALT (KH)	4.857		TEMP (C)	-11.5		FROSTPOINT	-18.5		TAS (M/S)	119.0		MT (N/M3)	2431209.8		TOTALS	5.87E-01	111
	DISTANCE: 100 FT	PRECIP	PROAE	4.16F+3F	6.80E+11		:		•	3.		•		;		•	÷			1.02E-12	414
	DISTAN	7215	ŝ	40	647	776	1241	1538	5167	2112	5459	2726	3023	1320	3517	3914	4211	+50 e			
W 1 W 2	HZO FLOW RATES 28 GP4	מרחחם	560≉4	7.156+67	6.795+07	2.76E+C7	1.402407	7.845446	3.27E+06	1.045466	0.175+65	4.64546.3	4.145.15	2,395+CF	1.355+15	7.2 35+84	3,385+14	4745247		5.375-61	137
	FLOW R	3218	Ĵ	23	£ 4	62	9.2	102	122	142	151	141	231	122	102	260	230	4.3			
		SCATTER	ã80ac	1.546+08	4. 77 E+06	1.43E+09	2.58E+09	2. 21E+09	1.72E+69	1.45E+69	9.75E+C8	1.336+09	8.15E+08	5.32E+08	3.77E+08	1.546+48	6.92E+67	1.235+08		5.16E-02	13
	9.0 PRESSURE 10 PSI	<b>317</b>	Ĉ¥,	~	3	•	•	01	15	2	9)	13	20	22	40	56	82	3,		3	ME) 0
	CAL FACTORS 9.	(FH) d	5,50.5	4LT (K4)	4,856		TEMP (C)	-11.6		FOOSTPOINT	-18.4		11S (4/5)	119.4		NT (K/HT)	2221800.5		TOTALS	F.24E-01	125
	DISTANCES 100 FT	PRECTP	360èd	1.795+34	•			٠.	•	3.		.:	•	.,	,;					1.196-31	90 t
	PISTAN	SI7F	( <del>4</del> 5)	707	547	746	1541	1538	1875	2132	2429	277€	3023	132 ū	3617	3414	4,11	4508			
14414	420 FLJW RÅTER 29 GPM	ינהיי	3€0 ₹	3.24=+77	5.895+67	7.906+57	1.2 664.7	5.346+65	3.1 JE+06	1,305+10	6.59€+45	6-34E+15	3,155+15	2.38*+[5		1.7 JE+C 4	3.345.45	3.20046		5.175-11	106
	FL7# R	3218	Ş	23	*	63	60	132	123	142	161	131	10:	7 C Z	34.5	26.3		300			
		SCATTER	3408€	9.19E+07	1.92E+08	7.51E+u8	9.136+38	7.745+08	4.67E+L8	6. 37E+68	3.75E+C8	3.915+08	2.22E+C9	9.136+07	5.30E+C7	4.632+67	7.652+66	3. 455 +07		1.35E-02	13
	PRESSURE: 10 PST	S12E	(J#)	~	.*		•	16	75	*	16	61	2	27	2	20	<b>\$</b> 2	3.0	1	רוּנ	MED 0

AFFT3 ICING SPRAY TEST BY AFGL
F.IGHT EF9-03 ON 21 JAN 79 1 \$F30ND AVERASING
THEPHAL STATT#OFT15803\*
PARTICLE SITE FIRST STATT#OFT1583\*
TYPES RAIN 1FIJ 101105 SFRW TEST RV BESL 1 SECOND AVEPASIME INTEGLAL STATIWODISELLY PARTICLE SIZE DIETGLAS (MUMBER/1409) TYPER RAIN

SAMPLE 1 2

.

CAL FACTOR	4.055 550.4	ALT (KM)		TEMF (C)	9 17 7	FROSTPOINT	-16.5		TAS (M/S)	118.7		MT (R/H3)	2511077.8		TOTALS 7.88E-81
DISTALLE LAG FF	PRECIP PR19E	8.50E+13		<b>.</b>						•	•	•	•	•	5.736-12
91511	SIZE	704	3 4 6	1241	1635	2132	2429	2726	3023	3320	3617	1914	4211	4508	
RATES 28 GP4	7,003 22,095	8-0 5E+C 7	3.295+1.7	1.445467	3.946+86	1.735+16	1.215+05	8.145+05	4.7 SE+P5	4.18E+F5	7.75E+64	1.346+05	1.436+65	8.982+54	7.22E-01 124
FLOW	,S123 (10)	2.3	6.2	25	122	1	161	131	201	22.1	241	260	280	300	
13 - S.T H20	SCATTER 2408E	3.16E+08	3.91E+09	5.746+69	3.795+09	3.38E+09	2.65E+09	3.195+89	1.97E+09	1.495+09	6.63E+08	5.32E+08	1.706+04	2.16F+08	1,23E-01 19
9.0 PRESSURET 13 PS.I	SITE (MJ)	€ \	·	•	21	=	91	91	2	22	74	56	82	30	LWC
CAL FACTOPE	6 (#B) d	ALT (KM)	•	TEMP (C)	6111-	F.OSTPOINT	-19.4		TAS (#/S)	119.1		NT (N/RG)	2106690.2		T0TALS 7.45E-81 152
DISTANCE LOD FT	2E094	3.385+14		c.,	. 6	•		•				-	0.	0.	2.225-01
91519	SITE	434	7 %6	1771	1835	2132	5429	2726	3023	3320	3617	1914	4211	4508	
Mc9 02 1711	7_055 23.08±	9.265+07	23+52400	1.225017	3.515+65	1.595+66	6.6+2+65	3.775+65	1.545+65	1.7 4E+C5	1,165,05	8.55E+f4	6.7 55+64	43456464	5.25-61 112
H20 FLOW RSIL	\$125	m m 6: 3	6.2	25	122	1	151	161	131	22.1	142	26.9	26.3	307	•
	SCATTER PROBE	9.226+07	1.17E+69	1.56 - +63	1.1/E+09 5.91F+03	7. L7E+08	4.04E+08	6.33F+nB	4.335+38	3.38E+08	1.356+08	8.45E+07	5.39£+37	5. 34E+67	2.62E-02
PRESSURER AT PST	SIZE (MU)	2 4	10	•	2	: 4	91	=	22	2	54	56	60	0	L KC

THE RESIDENCE OF THE PROPERTY OF THE PROPERTY

SAMPLE 1 2

Same:		1991	545 SECT. 1746 SP?	PRA TEST BY AFGL	IT AFGL		SAMPLEI	٨.	AFFT	APPT: Trieng spoke 7EST BV APGA	7EST 8	* AFG.		
	F.1647 E79 PARTICLE	79-63 ON 14758 16 5126 D	F.IGAT ETG-63 On 21 JAm 79 1 3:COMO AVER INTERAL STANTONS (MUNES/MoreS-HY) PARTICLE SIZE DISTREMATIONS (MUNES/MoreS-HY)	1 35 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 3 COMO AVERMEIMO 518% UNDEL/4003-441)	ž.		F.ISHT E79-	11758v 11758v 1175 01	F.ISMI E79-81304 21 JAM 79 1 SECOND AREM INTEREL STATE-0115185. PARTICLE 4176 015724-9171045 (440408-274-49)	1 5 11 5 1 65 1 14 1 65 1	1 52000 ASPASING 15165* 404762/4***	Ā	
DRESSURE: 18 951		20 FL34 R	420 FL34 R4TEs 28 GP4	51874	015T4HSE1 180 FT	CAL FACTOR: 9.8 PRESSUPE: 18 #SI	-8 PRESSUPE		FLOW RA	HZO FLOW RATER 28 GP4	PISTO	DISTANCE: 168 FT	TAL FACTORE 9.0	:
\$17E (MU)	\$2.47 FER	i P	25.05. 26.05.	3126	PRECTP PR09E	. (3)	\$12E (EM)	SCATTER	115	2, 000 22,045	SIZE	96.00 <b>9</b>	6 (#6) 556.5	
	136.00	.,		9	7.005647	A1 T (ES)	·	97.0	;		,			
• 4	1.376 469			į	1.735.31	1.857		1.7.6.50	n w	2.11.007	,	114567	7967	
•	6. 68E+69		2.7.55.4.7	2	1.73€+11			4. A 3E + E4	2	1.175 06.7	į			
, =	7.905+19		1.232+67	1421		TEMF (C)		9.136+.9		5.275 . 6.5	1241		(1)	
1	7.64.6.19	-	5.342+15	1578	•	41.7	4	1. (5£+1)	7.7	7.51.7.65	1538		-15-1	
12	5.74[+09	123	2.365.63	1935	•		12	8.44.69	755	1.3 JE+CE	1935			
•	*. 79E • 19	1.5	1.342+65	2132		FROSTODINI	1	7.38E+69	1+3	2.462.65	2112		F.OSTPOJNT	
57	3.77.6+69	191	3.14546	5429		-17.6	•	6.385+49	191	1.51E."3	6246		7.8.7	
13	4.255+49	191	5.512+65	272€			83	6.248+63	1.92	2.317015	2726			
28	2.636+49	111	2.852+65	1823	•	*15 (M/S)	₹	4.12E+09	231	1.766.5	3323		(\$/=) 591	
22	2.226+13	12:	2.196.05	3326		116.9	2.	3.678+13	162	434 74 640	3326	;	119.4	
2	1.635+19		7.745.6.	3517			₹.	2.415.49	2+1		1752			
26	9.548.0		5.37E+C4	3916		AT CAVATA	75	1. 456+09	ž	•	3914		** (N/42)	
62	3.276+38	19.9	5.295+6:	4211		217-544-1	21	6. 76c+00	293		4211		325436.6	
2	6.635+68	130	*,)25.6*	.558	:		2	9.65E+uB	"		4536			
						10.46.5							TOTALS	
2	1.976-81		5.252-61		2.92E-12	5.56E-81	Š	3		20182-31		1.577-13	2.26E-31	
, C.	62		#		<b>.</b> 15	116	REJ.	3.5		1		2.1.6	M F F	

1500SS3kc

CHELS SEAR TEST BY SELECTION (PRESENT TEST BY THE BATTA CHAPTER TO TABLE OF THE BATTA TO THE TEST BY THE BATTA THE PROPERTY OF THE BATTA THE PROPERTY OF THE BATTA THE

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FIGHT FT9-64 ST TOTAL TOTAL TOTAL TOTAL THE STORY SECTION SECTION OF THE STORY SECTION OF THE SE

AL FACTORS	(44) 0	4.955	ALT (FF)	154		16# (6)	-12.6		Fanstent	-18.7	•	TAS (W/S)	A. 0.1		MT (P/H3)	1,242.1		<b>TOTAL S</b>	1.056-01	
DISTACES 188 FF	011180		1,15=+11	1.595+11			•		•							:	•		7.86E-84 633	
21311	\$136	£	5	243	ż	1421	1578	1835	2132	5476	2726	7823	3622	1617	3914	4211	4548			
HEO FLOW KATHE OF GOM	2010	36000	4143654	1.396.	4.345.0	3.346.	1.235+65	5.772465	3.245.65	1.345.65	い 上 中日 中 中 日	3030500	e.1	1.956.4		:			1.1.E-61 195	
* * *	213	ŝ	23	٠,	,ç	35	112	122	143	151	191	23.1	2	26.2	164	243	303			
	SCATTER	36645	5.446+68	1.548+03	6.55E+69	6.79E+19	9.575.63	7,595+63	6.495+69	5.098+49	5.726+93	4.176.49	3.296.69	1.926+69	1.136+69	5.895+6.5	6.65€+88		2.62E-61 20	
CAL PACIOS 9.8 PRESSURE 10 FSI	312	(DE)	2	•	•	***	10	21	11	£4	<b>e</b>	77	22	*2	52	29	33		7. Ž	
	(42) 0	556.4	11 (10)	F. BE7		154F (C)	-12.4		F-OSTPOINT	-19.6		745 (7/5)	118.7		MT (M/H3)	1516239.2		TOTALS	3.38E-61 99	
DISTACCE 158 FT	01:38d	P43%	3.286+31	5.126+31	•	•	•	•				<b>:</b>	;	<b>-</b>		•			2, 19E-13 673	
01511	3215	3	3	ť	į	1241	1538	1835	2132	5429	272€	2261	1326	1617	1914	<b>\$211</b>	+534			
423 FL34 R1158 23 654	2,033	24395	5.715.67	3.39.5.67	1.572+67	1.135.17	6.655+P6	2.242+66	3.475.45	4.50[+65	2.33%+65	3.312.66	6.386+84	7.755+64	•				*,†52-01 99	
12. E	3215	3	23	£ 3	5,5	32	192	122	162	191	141	201	122	241	194	29.5	13.9			
	SCATTER	3604	7.86.44	1.725049	694348*	9-146+59	3. 3kg·13	7.035+89	6.925.463	5.74.6+63	5.79.443	4.43E+69	3.39£+69	2.27.6.19	1. 16 E+19	7.336+19	7.636.84		2.03E-01 20	
ESSOGE TO DEL	\$175	ŝ	~	•		•	3	12	:	91	10	82	2	2	92	23	*		1 G	

SIMPLE: 2

SAWOLE: 2		1667	TO TOTAG	CPRAY TEST BY AFGL	SY AFGL	•	ß	SAMPLE 1 2		AFFT	AFFTO ICING SPRAY	SPRAY TEST BY AFSL	Y AFSL	
	FLIGHT E79 PARTICLE	FLIGHT E79-03 ON 21 J INTEPVAL SI PARTICLE SIZE OLSTATI	VAL S DISTRE TYPET	1 21 115169 14049E	N VW IN TRACES IN TRACES IN THE STATE OF THE	ž			F_IGHT E79-	.03 74 INTERN Slyc OI	F.IGHT E79-63 N4 21 JAN 79 1 SECOND AVERAGING INTERVAL STRATF-DRAIDING PARTICLE SIZE DISTABULIOUS (NUMBJR/M+++3-44) IYPER RAIM	1 51 115110 (NUMBER	COND AVERAGI	9
PRESSURE:	H ISa et	H20 FLOW A	RATE: 23 GP4	DISTA	DISTANCE: 100 FT	CAL FACTODS	9.0	PRESSUREI 13 9ST		FL 34 RA	H2O FLJW RATES 70 GPM	JISTAN	JISTANCE: 158 FT	CAL FACTOR
SIZE (MU)	SSATTER PROBE	3125	7. 0U7 P2 09E	\$17E (MU)	PRECTP PRORE	P (MR) 550.3		SIZE (MU)	SCATT52	\$115 (4)	2,000	\$12E	9602d	P (44)
•				707		1007 2 10		•		ļ				
٠	9.025.40		::	,	10.12.	944		NJ .	5.515+08	23	5.675+67	101	5.95c+13	ALT (K4)
• •	CO. 107		•		•			<b>.</b>	1. 5 St +0.9	<b>*</b>	** 300 + 6 7	249	5.0 95+31	4.869
۰ ۰	4.095+59				•	1640 ///		ıc (	4. 75E+19	6.3	7 3 4 5 4 C	7 96	•	
	500000			4 4 4	; .	4 4 1		<b>=</b> 0 .	7. 50E+E9	•	1.346+67	1241		TEMP (C)
2	6.53E+69			1558	<b>.</b>	0117-		3	8.475+69	102	4.555+6	153R	•	-11.5
12	4.85F+63		-	1835	•			12	7.11E+09	122	2.395+66	1635	•	
2	4. 38E+09		NI I	2132	•	1 101100 a		1,4	5,632.4.9	142	1.175+60	2132	<b>.</b>	FPOSTPOINT
91	3.75E+69		Ξ.	5459	•	-19.7		<b>‡</b>	67432444	161	5.515+15	2429	,,	-18.7
1.8	3.84E+69		÷	2726	•			18	5.135+03	181	4.325.1	3226		
2	2.27E+63			3423	ن	TAS (M/S)		2	₹.55E+09	201	1.57E+F5	3123		TAS CH/S)
22	1.65E+13			3326	•	118,9		22	2.01E+69	22.1	7-11-4-5	132	: -	4.0.4
*	9.77E+63			3517	•			*	1,035.469	7 + 7	1.1520.5	3617		•
36	6,035+69			1914	•	NT (N/Nt)		56	1. U7F+C9	.6.	9.815+64	3 3 1 6		ET CANATA
ζ.	2.525+38	281		4211	•	507961.6		<b>53</b>	4.65E+£8	143	77454.6	6241		13 34.800.6
30	4.03F+CS			4 65 +	:			30.	5.35E+08	Ę	4.57-46.			
						TOTALS								TOTALS
	1. 55E		1.23E-C1		7.935-14	1.275-91		, M	2, 335-61		10-32/04		4.136-12	5.155-81
O Call	13		135		633	106		MED 0	6.2		111		914	123
					;									
SAMPLE 8 2		155	ב ני	۲	TEST BY AFGL	•	ī	SAMPLE 1 2		? Leel	THEFT TOTAS SHORY TEST BY BESE	TEST A	* AFSL	
	S INCIT	F. ISHT ET9-03 ON	7	~	1 SECOND AVERACING	· .			FLI3HT E79-	<b>FC</b> 53	FLISHT E79-63 ON 61 JAN 79 1 SECOND AVTR	1 2	1 SECOND AVORAGING	ر الا
		۱ ۲	VAL SIARTETETETET	115163						1 17 P	AL 574275*B"	115111		
	74K11./LE	ž	TYPE RAIN	1	RAIN CACALLANT C				PARTICLE	5425 M	ISTRIBUTIONS IVOST RAIN	5.00 P.C.	(54-50-57)	
PRESSURE I	H ISc fi	423 FL3# R	P4TE4 20 6:4	DISTA	DISTANCED 130 FT	CAL FACTORE	9.0 o.e	PRESSUPER 13 PST	420	FL34 PA	FLIN DATER 28 ROM	715114	TE BOT 13CHEST	CAL FACTOS
						•								
SIZE (MJ)	32ATTE3	(f.a)	35046	(4)	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.16P) C		SIZE (MU)	SCATIER PRJUE	164 ) 1475	2,0U3	517C	98EC19	P (HA) 556-1
•	A. A0F+A			7 ( 7	3.266+13	ALT (KH)		r	6 75.54	;	, , , , , , , , ,	•		
. 37	1.436+69		٣	2 49	3,37E+31	4.860			1.366463		774246.4	s r	614746	41.1
S	4,635+03		-	746					4.17E+F9		2.7854.7	7 7 7	7/	700
•	7.63E+;9		'n	1241	-	1E4F (C)		•	6.146.40		1.5254.7	12:1		1640 (7)
<b>C</b>	7.345+69		Ç.	1538	••	-11.4		70	7,536409	132	7.167.5	1 15	. 67	
21	5.65E+09		ĸ,	1935	•			12	6.536.03	123	3,37546	1835		
#	4.0.E+69			2112		F>0STP014T		1.	5. C2E+69	14.2	1.305+66	2132	0.0	FROSTPOTAT
16	3.082+49		<u></u>	2429	•	-18.7		16	4.658429	101	3.512+15	5 42 9		-18.9
<b>\$</b>	3.63E+09	191	v, c	2726	ė (			1.8	4.50E+09	7 <b>.</b> 7	4. 125+ 4	7726	::	•
2	Z. 781.03			3063	• •	145 (4/5)		2	3 DE + 119	231	2.936+15	3323		TAS (M/S)
7.5	604342 v		7 - 30 0 - 7	25.0		150.0		27	534249.2	77	3.11E+F5	1326		119.6
, ,	7. 69 54			7 10 2	; e	NT (M/M1)		g . No e	1.552+09	-1 : 5 : 1	2.39.05	3617	•	
	1. 15F + D.R.			1514		1117955.9		<b>0</b> •	6.136.68	9.6	5-1-11-2	3916		NT (N/M3)
) £	4. 34E+BS		2.2	1503				0 ti	5.45545	T C	1.525.6	123	<b>.</b>	2131662.1
;		•				TOTALS		3		•	69.14.64	900	:	
1	1.785-01		2.6.E-61		2.275-12	2.665-01		C NO	2.05E-C1		6.755-61		5.035-32	7.256-81
MEG O			103		411	115		MED 0	07		124		406	24.5

9.0

9.6

	CAL FACTOP:	6 (HB)	ALT (KM)		TEMP (C)	-12.1	F 20STPOTWT	-16.9		TAS (M/S)	150-1	NT CN/HT	1.07974.8		101 16.5	195	CNI	CAL FACTOR	P (49) 550.4	ALT CENT	4.857	:	TEMP (C.	-12.2	FCASTBATET	-16.9		120.8		NT (N/H3)	1545447.7	TOTALS 3.636-01
(hu-1h/2)	DISTANCE: 108 FT	POCOTO		: :	•	• •		.:		•	•		.:	÷.		•	COND AVERAS	DISTANCES 100 FT	PRESID	1.506+13	1.698+11	.;	<b>:</b> .		: -:		•	• •	6	•		1.455-12
£	01574	S17E	494	100	1241	1935	21.42	5246	272€	3323	1257	7 161	4211	+536			115115	) ISTA	SIZE (MU)	163	3	7 6	1471	1935	2112	5429	2726	3320	3617	161	1124	
IVPE RAIN	FLOW RATE! 28 6P4	5, 043 #203E	5.536+67	2.12E+17	1.16F+1.7	2.795+65	9.35=+6.5	7.45E+F5	4.31E+.5	2.19546.0	3.000	• •	J.		to 1 teef 1	105	FLIGHT ETG-CT ON 21 JAN 79 123 ST MF3LNS FLIGHT ETG-CT ON 21 JAN 79 115115 ST POWER THE FLIGHT FOR THE FLIGHT ETG-CT ON THE FLIGHT ETG-	420 FLOW PSTEE 23 GOW	2.0JJ P203E	4.435+67	4.146+07	1.115.67	4.25.354	2,115+66	1.075+66	5.56F+65	2.98c+05	6.33E+64	7.57E+64	3.32E+04		3.49E-61
	FL NH RI	\$12E (40)	r 13	20	e. é	122	3	151	141	100	12.2	100	233	:			1 1 1 3 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FLOW P!	5218 (101)		7	9 9	÷ ;	12.2	1	161	151	221	7.	260	2 E S	
PARITOLE SIGN	02H ISc 0	SCATTEP PKOBE	5.85E+u8	4.648+09	A. 64E4E9	7.6954.9	6.285+09	5.14E+i9	5.57E+13	3.62F+03	1.225+52	1.156+09	5.1724.3	6.85£+08	2.54E-01	20	FLIGHT E79-		SOATTER PROBE	6.715+58	2.085+09	5.39E+09	1.045.420	0.125+49	6.345+09	5.65E+03	6.152+03	3.426+09	1.396+09	1.29E+09	6.41E+65 9.33E+08	2.87 E-61
	PRESSUPER 10 PSI	SIZE	E 15	• •	<b>e</b> o .;	7 7	7.	16	97	35	2 2	56	<b>52</b>	æ	2	469 0		PRESSURE 11 SS	SIZE	2	3		•	27	*	16	<b>9</b> 1	22	54	<b>5</b> 2	62	S.
	9.6																	9.0														
	CAL FACTO91	D (MP) 554-1	4LT (K4)	100	11.9		FPOSTPOINT	-18.4		(4/2)	1007	NT (N/M3)	2222687.2	TOTAL	6.725-01	119	ING	CAL FACTOP:	P (MB)	ALT (KH)	4.859	TEMB //	12.5		FP OSTPOINT	-18.8	TAS (M/S)			7 (8/43)		TOTALS 6.10E-01
;	DISTANCE: 188 FT	PRECIP PRO9É	1.44E+34 0.	÷.		: :	•	•	•	•	: :	: :		••	9.445-12	101	STARTS STARTS TO STARTS	DISTANCES 100 FT	PRECIP	4.77E+13	1.698+81	å			<b>.</b>	•	•		•		::	3.216-32
	91814	\$12E (MU)	12	346	1241 1518	1815	2132	542	2726	205	1517	1317	4211	10 11 14			1 3 115113 (NU48E	91574	SIZE (MU)	*0*	647	100	121	1835	2113	545	3023	3326	3617	4165	1200	
TYPES AAIN	NES 20 6PM	0,003 Pt 086	6.975+67 6.03E+C7	•	1.195077	2,75€+06	1.875+46	7.456+05	7-186+15	4.755409	2.585+65	3.705+64	2.37=+6+	2.57E+t4	5.7 AE-C1	221	21 JAN 73 1 SELONY A VAL STARTERDIAGENARE STRIBUTIONS (NUMBERAMPER TYPER RAIN	Pc0 05 1311	0_0UJ P₹045	8.5 25+17	7.17E+07	2.8 15407	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2,955+65	1.655+[5	6.935+65	2.755+05	1.0 45+65	2,30E+65	1.375+43	5.265+04	5.86E-01
1	FLJH RSTE	\$12E (40)		62		12.7	1,5	161	181	5	24.1	26.3	230	200			53 04 1475RW STZE DL	HZO FLJ# RATES	STZE (MU)	23		2 5	76	12.5	3	161	191	22.1	7,	92	300	
	10 °SI H20	SOATTER PROBE	4,95E+08	3.746+89	6.91E+09	5.47E+69	4.83E+49	3.97€+69	4.05E+49	3,25E+69	1.215+09	8.53E+38	3.965+38	4.27F+C8	1.87E-01	5.0	F. ZSHT E79-53 D. 31. 145RVAL PARTICLE SIZE DISTRI	13 PSI M20	SCATTER PP38E	5.645+08	1.536+09	6.53E+69	6 FAEARS	7.116+69	6.285+49	4.52E+09	5,17E+63	2.96E+09	1.71€+69	1.112+04	7.78E+68	2.43E-01
	PRESSURET 1	SIZE (MU)	E IS		<b>*</b>	12	14	16	9	2	2 2	25	82	30	28.1	HED D		PRESSURE:	SIZE	3	<i>.</i> *	•	٠,	121	4	91	18	22	<b>1</b>	9 6	S #	1

SAMPLE 1

.

	CAL FACTOR	(011)	9:055		4.464		TEND IF			FDOSTBOTHT	2.0		TAS (M/S)	128.7		HT (12/87)	7.36405. 4	•	TOTALS	2.395-01	185
	DISTANCE: 100 FT	POFFTP	PRORE	1.47544	B. 43E 434	: =	: :	: 6		: =	•	: =		: 4	: =		: -			3.40≅-32	<b>10 1</b>
	NATSIC	STZE	380	7 64	1 4	4	1241	1538	-	21.32	042	2776	M & C M	3320	3617	100	4213	4536			
	HZO FLJW RATE! 28 GPM	0.0	3602	2.99.487	1.762067	1.065007	4.53E+C6	1.935+1.6	1.165+06	6.10E+1.5	2.38E+C3	1.435+0	9.355+64	1.135+[ 5	7.526+64	4.575+1.4	2.567+64	2.552+0.		2.152-61	121
•	FL)# RA	S17E	)	2.4	4	63	2	102	122	142	161	191	107	121	241	36.0	.6.	300			
		SCATTER	> R) BE	9.635+08	2.44E+09	6.03E+09	1.19E+10	1.21E+13	9.965+09	8.515+09	6.846+89	7.196+09	4.96E+09	4.11E+03	2.57E+19	1.525+09	6.97E+CB	1.07E+09		3.41E-01	20
	PRESSURE: 10 PSI	321S	Ĉ.	~	*	•	•	10	12	*	16	97	20	22	24	8	26	3.9		CHO	MEJ O
	9.0																				
	CAL FACTOR	(BH) 0	550.5	ALT (KH)	4.856		TEMP (C)	-12.2		FROSTPOINT	-14.9		TAS (M/S)	120.3		NT (N/HZ)	1010517.5		TOTALS	2 • 195 - 01	101
	DISTANCE: 100 FT	PRECIP	Pagar	1.05E+11	1.53E+31		ن ،	<u>.</u>	٠.			į	<b>:</b>	.:		.;	•	•		7.915-34	. ? ¢
	DISTAN	3212	3	104	547	**	1541	1518	1935	2132	6246	2726	3673	435°	3617	3914	4211	4508			
	TE: 20 6P4	CF 007	PROPE	3.715.67	2.532067	1.41E+t7	5.775.66	2.P. BE 1.3	1.435+16	5.445465	7.19E+F5	1.7.75465	3.53=1.4	1.435465	•	<b>0</b> .	;	4		2.195-61	167
	HZO FLOW RATES	STZE	3	23	M ,	55	A:	102	123	143	191	191	27.1	122	192	383	3	33.3			
		SCATTER	360%	7.93£+68	2-19€+69	5.52E+89	2,10E+1G	1.186+18	9.70€+69	8.136+69	6.13E+09	6.97E+89	6° 43E+69	3.92E+19	2.62E+[9	1.736+69	7.406.48	1.22E+19		3.415-81	22
	PRESSURE: 10 -SI	\$12E	£	~	•	.0	•	£	71	1	16	1	2	2	2	56	£	2		2	

AFFT 151N3 SPRAY TEST BY AFFL
LIGHT F79-03 ON 21 JAN 79 1 SECOND AVERASING
LIFFOVAL START\*-02:118143\*
PARTICLE SIZE DISTRIBULING (NUMBER/NEWR-MM)
TYPE: RAIN SAMPLE: 3 AFFIZENT STREAM STREAM SECOND AFFIZENT TO SECOND AFFASING AFFASING AFFASING STREAM STR SAMPLE 2

CAL FACTOP: 10.0	G#9)	551.1		( twi	0.00	4	(2)	211.5	***************************************	MIDALSON	-23.1		145 (4/6)	2 6 5 6	01677		MI (M/MS)	534689.6	-	Thru st.		292
DISTANCE AND FT	PRECIO	PRJAG	2 175484		;	: .	•	: .	•	•	•			; .	: .	<b>:</b> .	:				1.565-11	*0*
21514	SIZE	5	1	1 1 1	4	210	1		0 6 6	9 6	5242	2726	3823	4420		100	* 16.	4211	4508			
HZO FLJW RATFI 21 GOY	3,003	380≥€	1.3756.7	1.98/182	7.2 7F+[5	4.7654.5	0 2 4 1 1 1 1 1	2 . 8 7 . 6 6	7.66640	100000	3.646+65	2.315+65	1.575+05		7 01540		40775	404347.4	4.24E+04		1.785-61	132
FLOW R	\$126	€		. 4	2		: :		611		191	181	201	121			5	,	300			
	SCATTER	3,40,45	9.02F+44	2.31F+89	6.04540.0	1-135+10	1.255+10	715+00	9.54540		1 . 20E + U 9	8.01E+09	5.35€+89	6.52F+R9	2.486+00		60.100.7	8.54E+0.8	1.396+09		3.77E-01	20
PRESSURE: 13 3SI	STZE	(43)	~		٠ ٠	•	9	-	- 1		10		20	22	3.	76	93	10 Ki	39		2	MED D
9.6																						
CAL FACTOP:	(46)	350.5	ALT (KM)	4.856		TEMP (C)	-12,1		FPOSTPOINT	-10.1	•		TAS (M/S)	120.7		NT (N/M3)		2101140		TOTALS	2.09E-01	157
TESTANCES 100 FT	PRECIP	podac	4.136+33	3, 75 0 11		ů.	•	÷	•		: -	;	•	.;		2		•	•		2.855-32	60,
TISIC	215	Ĵ	7	244	776	1241	1538	1035	2132	2679		0 1	4023	3320	3617	3914		777	4508			
HZO FLOW BAI't 20 604	C.00.	⊒€Úèc	2.125.67	1.156+07	7.465+63	4.352+16	9.912+65	9.15515	4.92E+F5	4.74.94.5	4 7 4 7 4 8	3031506	1.252.455	3.4 27.46	7.5 25 + 6 4	6 a 4 7E 4 2 4	. 76.149	11000	3.230.454		1.976-11	133
FL 34 PS	27.2	Ē	23	M,	29	92	13.2	17.2	162	141			203	121	<b>1</b> *2	263	900	3	22			
	SCATTER	380%	8.498+98	2.32c+89	5.765+09	1.11.+10	1-15E+10	9.616+69	6.395.469	6.456409		A 304 0	4.65E+89	4.24E+09	2.46€+49	1.436+69	4 005 40	00000	7. 20E+19		3-4-25	20
PRESSURER 13 2SI	215		~	•	•	•	78	21	=	91	•	£ 1	5	72	స	22	28	3	30			1 G 3 G

THE RECOGNISH AND THE PROPERTY OF THE PROPERTY

Lines.

FINTERNALIZATION   CHARGE ANNOTATION   CHARGE AND	STRINGE   110 FT CAL   FATOR   10.0 PARESUNE   10 ST   400 FLOW RATE   21 GOV   10.0 FATOR   10 ST	FLIGHT E79	1FFT3	¥	TEST B	TEST BY AFGL 1 SECOND AVERAGE	ن ع	SAMPLE 8	F TCHT FY	Tadk	AFFT: ICING SPRAY TEST BY AFGL	'Y TEST	BY AFGL	9
STATE   STAT	Column   C	Ä	INTERI	20	116145* (VUMBE 3	/H++3-44)			PARTICL	INTERVE SIZE DI	AL STARTIFO STREBUTIONS YPE: RAIN	13 F16 1 45 (4 UM 95	2/4**3-44)	<u>.</u>
1   1   1   1   1   1   1   1   1   1	1.   1.   1.   1.   1.   1.   1.   1.	20	FLOW R	ITE: 21 6P4	DISTAN	CE 1 100 FT	CAL FACTOR: 10.0	PRESSURE		O FLOW RA	TE: 21 604	MISIC	NCF1 198 FT	CAL FACTOR: 18.8
1.2   2.5	1.2   2.5		\$17 <u>7</u> (10)	5, 0J) 2109E	312F (AU)	PROJE	р (мв) 551.2	STZE	SCATTEP PROBE	104.) 1215	01.000 P3.09E	SIZE	PRECIP	P (48) 951.1
1.2   1.2	1.2   1.2		2.3	7.556+67	1	4.365+13	ALT (KM)	•	6 64540			167	. 205.84	A1 T 4740
1.0   1.0	12   1.2		4	2.462+07	249	1.69F+31	6.867	1 .5	2.01E+09	1 3	5.235+87	2,7		Q-100-3
12   1,500	1.2   1.0		29	1,385+07	776	•		• •	6.095+09	52	2.00E+67	776	: .:	
122 1.645 1.6 1378 0. 11.5 11.5 12.6 13.6 12.6 13.5 12.6	12   2.5		6	4,385+65	1241		TEMP (C)	•	9.855+49	8.2	1.275+17	1241		TEMP (C)
122	12		132	2,55€+(6	153		-11.5	10	8.16E+09	132	6.875+86	1516		-12.1
14.	11   2.457-65   2.12   2.14		122	1.6 35+10	1835	•		12	6.13E+09	122	3.4.5.	1935	: 3	!
151   2.856 ft.   2.75   2.5   2.5   1.5   2.15   2.	131   1.275   1.279   1.0		142	7.455+[5	2132		FROSTPOINT	#	5. G&E+49	1+2	1.525+00	2132	9	F-OSTPOINT
131 2.85 7 1	131 2-095 Fig. 272-6		161	4.275+5	2429	.;	-23.1	16	3.815+09	151	5.31=+C5	2429		-23.1
11   2.8 Each   2   2   2.6 Each   2   2   2.6 Each   2   2   2   2.6 Each   2   2   2   2   2   2   2   2   2	11   14   15   15   15   15   15   15		131	2.985+12	2726			8	4. 65E+P9	131	5.77=+1.5	2776		
241 3.456.75 317 10. 119.7 2.2 1.126.69 2.2 1.276.65 317 0. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	241 3.55		111	2.8 3E+E5	*123	9.		20	2.665.469	111	3.775+15	3123		TAS (M/S)
1	241 1.25 = 1.1		121	3.+ 50 + 1 5	1255		119.7	25	2.126+69	727	2,776415	3425		119.6
267 3-222-11	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		176	7.595+6+	3517	9.		24	1.13F+09	196	1.125+15	1617		
191    191	191   197		26.	3.22€+( 4	1917	٠.	NT (N/MT)	*	A. 55E+118	25.0	1.285+15	3914		MT (K/K3)
10   5.56 = 0.1   1.92 = 0.1	10   5   5   5   5   5   5   5   5   5		293	4.14207.8	4211	٠.	C19648.0	29	7.58E+08	197	3141664	4211		1376422.3
TOTALS  TOTALS	151   151		103	3.502+[ +	40.0			3.6	5.355+68	40.3	7.585+0+	4538		
Trace   Trac	16   16   16   17   17   18   18   18   18   18   18						TOTALS							TOTALS
NETT   IST   12   NATURE   125   N	151   151   151   151   151   150					3, 135-12	3.595-01				5.376-61		2.92E-11	8.796-01
THE PART   TICING SPRAY TEST BY AFFL	Tright   State   Test   State   Test   Tes			151		•	196				125		101	190
9-07 04 21 JAN 75 15 15 15 15 15 15 15 15 15 15 15 15 15	9-07 07 21 JAN 75 1 1 2 2000 AVERALING THE TOTAL STATES AND THE STATES AND THE SECOND AVERALING THE STATES AND THE SECOND AVERALING THE		100	VA CO S. CM 177	1251	- Cu						1		
THEFAAL STATISHINGS	THEFAL STATISHINGS	7	NO 23-	21 JAN 73	7.	CONT AVEDAS	va.			7 40 29-6	151 NG 5754		ST AFILE	2
TYPE   RAIN   TYPE   TAIN	TYPE   RAIN   TYPE   TAIN	· ·	T 4T EF.	JAL STARTERIC	119147	777				INTERV	AL STARTE O	671911		
STZE	SIZE	ı,	1	2	16 10 1				PARTIC		STRIBUTIONS YOE RAIN	5	(FF-)	
23 7.562*7 434 2.512.74 ALT (RM) PROSE (10) 2202 SIZE PRECIP (10) PROSE (10) PROSE (11)	SIZE	2	FCJ¥	NC9 12 1-11	NISTO	DES 100 FT	CAL FACTOP: 10.0			) FLOM RA	T21 21 GPM	91574	13 0 ET 150 FT	CAL FACTOR: 16.0
13   13   13   13   13   13   13   13	13   27352   14   14   15   15   15   15   15   15		5172	Ci 2	5175	986 719	97.0						610	
23 7.362*7 4)4 2.512+34 ALT (KM) 2 3.446608 23 6,79567 404 1.796*14 4 4.3 6,76507 944 0. 5 2.476607 944 0. 5 2.47660 1241 0. 12 2.47660 1241 0. 13 9.37660 13 5.7660 10 9.111669 13 5.76607 944 0. 12 2.47660 1241 0. 12 2.47660 13 5.0660 13 6.1660 1	23 7.562.7 4)4 2.512.94 ALT (KP) 2 3.446.00 23 6.756.7 404 1.796.74 4 3 4.766.7 944 0. 1.76.7 944 0. 1.76.7 944 0. 1.72.7 944 0.		(£)	35056	Ē	P8035	551.2	(AN)	9609e	(4C)	36026	(HI)	360ad	551.1
4.3 6.36207 647 0. 6.84.7 6. 1.112.0 6. 3. 7.38509 6. 2.35507 944 0. 6. 2.37507 944 0. 6. 2.37507 944 0. 6. 2.37507 944 0. 6. 2.37507 944 0. 6. 2.3507 944 0. 6	43 4.36207 944 0. 4.847 4.36509 43 5.76607 647 0. 4.36201 944 0. 5. 7.36609 95 2.36507 944 0. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.		23	7.362+77	;	2.512+34	ארן נאה)	•	7. 446 +08		6.746467	7 (7	1.795496	ALT AND
6.2 2-775207 944 0. TEMP (C) 6 5-756-09 52 2-562-07 244 0. 132 9-37266 1244 011.9 13 1-37260 52 2-562-09 13 1-372607 1244 011.9 13 1-37260 13 1-372607 1244 011.9 13 1-37260 13 1-37260 142 11.7550 1512.4 13 1.7550 112.4 13 1.7550 112.4 13 1.7550 112.4 13 1.7550 112.4 13 1.7550 112.4 13 1.7550 112.4 13 1.7550 112.4 13 1.7550 112.4 13 1.7550 112.4 13 1.7550 112.4 13 1.7550 112.4 13	6.2 2-775207 944 C. TEPP (C) 6 5-56209 56 2-56207 1241 0. 112 3.125616 1241 0. 114P (C) 6 5-56209 12 1.24267 1241 0. 114P (C) 6 5-56209 12 1.24267 1241 0. 1241 0. 125616 125 0. 1241 0. 125616 125616 125616		<b>~</b>	4.365+07	249	•	4.847	وي ا	1.116+79	*	5.765+07	2 49		0 3
132 9.3726/5 1541 0. TEMP (G) 8 5.58E09 92 1.02C67 1241 0. 1.122 2.02E66 1578 0. 1.13 6.51262 1537 0. 1.13 6.51262 1537 0. 1.13 6.51262 1537 0. 1.23 1.13 6.51262 1537 0. 1.23 1.13 6.51262 1537 0. 1.22 1.13 6.22612 1541 1.13 6.37260 0. 1.28E09 1.13 6.36E65 1538 0. 1.28E09 1.13 6.36E65 1538 0. 1.28E09 2.1 3.6E65 1538 0. 1.28E09 2.1 3.6E66 1538 0. 1.28E09 2.1 3.28E09 2.1 3	127 3-475-66 1578		62	2.47E+07	776	·.		۰,0	7.78E+09	55	2.552+07	7 76	•	
122 5.72 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	12.2 5.725(5 1878 011.9 1.0 4.615(-19 1.12 5.515(-15 1.15) 1.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		35	9.375+66	1241	•	TEMP (C)	•	5,58E+09	32	1.+36+67	1241		TEMP (C)
142 7.4.5.1.5.1.5.1.5.1.5.1.5.1.5.1.5.1.5.1.5	1.62   1.65		132	5.235+(5	1548		-11.9	3	4.63E+49	102	6.515.05	1536		-12.2
131 5-25-15 24-2 0	161 5.122.15 24.2 023.1 15 5.125.19 161 0.9515.15 2.0 0. 13.1 5.2515.19 161 0.9515.15 2.0 0. 13.1 5.2515.19 161 0.9515.15 2.0 0. 13.1 5.2515.19 161 0.9515.15 2.0 0. 13.1 5.2515.19 161 0.9515.15 2.0 0. 13.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5		7 7 7	4.14.19	1001	•	Fancing	12	69+UFE - 10	122	3.745+65	1835	ė,	
131 2-5-2-6-5 772 0. 7AS (M/S) 16 2-598-49 161 0-842-6-6 0. 7AS (M/S) 2.0 1.286-49 161 0-842-6-6 772 0. 7.1 2-5-2-6-6 772 0. 7AS (M/S) 2.0 1.286-49 161 0-8-2-6-6 772 0. 7.1 2-5-2-6-6 772 0. 1.286-6-9 2-1 2-6-2-6-6 772 0. 7.1 2-6-2-6-6 772 0. 1.286-6-9 7-1 2-6-2-6-6 772 0. 7.1 2-6-2-6-6 772 0. 7.1 2-6-2-6-6 772 0. 7.1 2-6-2-6-6 772 0. 7.1 2-6-2-6-6 772 0. 7.1 2-6-2-6-6 772 0. 7.1 2-6-2-6-6 772 0. 7.1 2-6-2-6-6 772 0. 7.1 2-6-2-6-6 772 0. 7.1 2-6-2-6-6 772 0. 7.1 2-6-2-6-6 772 0. 7.1 2-6-2-6-6 772 0. 7.1 2-6-2-6-6 772 0. 7.1 2-6-2-6-6 772 0. 7.1 2-6-2-6-6 772 0. 7.1 2-6-2-6-6 772 0. 7.1 2-6-2-6-6 772 0. 7.1 2-6-2-6-6 772 0. 7.1 2-6-2-6-6 772 0. 7.1 2-6-2-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6	131 5.37 5.75 0. 7.55 0. 7.55 0. 16 2.09 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		1 4	3 4 2 6	0770	: .	7 10 10	<b>.</b>	3.012.09	741	1.755+65	27 22		IN TOAL SO
11 2-5_200 10 10 10 10 10 10 10 10 10 10 10 10 1	11 25.200 3 C		1 7 7	6.370465	2726		1.63.1	91	2.29E+43	161	0.915+65	6242	•	-53.1
221 2-22-05 377	221 2-825-65 3797 0. 113-5 20 1.55-68 21 2.422-65 3325 0. 24 1.542-65 3357 0. 3453 0. 375-64 3914 0. 1782-55,7 28 1.795-89 24 2.422-65 3917 0. 28 2.467-68 28 2.452-65 3914 0. 1782-55,7 28 2.467-68 28 3.572-65 458 0. 28 3.0		131	2.5.5.5	1023	: :		91	2.32.40	191	0 3454 F	2776	•	
241 1.345er5 3617 0. NY (W/M3) 24, 597Ee08 741 2.315er5 3617 0. NY (W/M3) 25, 2497Ee08 741 2.315er5 3617 0. NY 25, 2497Ee08 260 741 2.315er5 3617 0. NY 35, 25, 2497Ee08 260 741 2.315er5 3617 0. NY 35, 25, 2497Ee08 260 3, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25	241 1.345er5 3617 0.		7.2	2.+2=+(5	3336	; ;		36	1.606.463	1 0 0	6.40C+LV	2862	•	10/E1 VA -
269 8,705-644 3314 0. NT (W/M3) 25 7.65E+08 260 9.3AC-74 3914 0. M. 230 5.12E+74 4.211 0. 1702225.7 26 1.58E+08 26 0.3AC-74 458 0 0. 1702225.7 38 2.3AC-748 740 3.2E-74 458 0 0.	269 8705-64 3414 0. NT (W/M3) 26 2.45E+08 260 9.1AE+4 3914 0. 1782229.7 26 1.49E+08 28N 3.57E+64 4214 0. 27 280 5.12E+76 4.4214 0. 27 280 5.12E+76 4.4214 0. 27 280 5.14E+08 740 7.2E+76 4.4214 0. 28 2.14E+08 740 7.2E+76 4.4214 1.47E+1.4 1.42E+1.4 1.42E+1.		24.1	1.345465	3617			72	5. 976 + 0.A	1 -14	2.11545	3000	•	113.6
290 5-12E+F4 4211 0. 1782255,7 28 1.98E+08 287 3.577+64 4211 0. 2.544+08 70 3.577+64 4211 0. 2.544+08 70 3.576+64 4586 0.	290 5-12E+(4 4211 0. 17022295.7 28 1.98E+08 287 3.576-64 4211 0. 23 3.2 14-70 3.0 3.20E+16 458 0. 2.14-70 3.20E+16 458 0. 2.14-70 3.00E-11 1.05E-11 1.17F-11 1.05E-12 5.04E-11 1.17F-11 1.17F-11 1.23		269	8.705+64	3914	•	N* (F/F3)		2. 48F 40 A	1 42	7 4 5 8 6 6	7002		17 18/82
38 2.14€+D8 30 3.20E+E4 4538 0.	3ω3 4.4 45 6.4 4538 3. 3ω3 4.4 4.4 4.5 6.7 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		290	3.12E+f4	4211	•	1782225,7	( A)	1.765+08	. 6)	3.575+64	*211		2229689.7
	1.65E-1 6.73E-01 LWC 9.52E-02 5.04E-61 1.17F-11 404 404 162 160 16 115 404		797	4.49€+6+	450	•		9£	2,145+08	430	3.205+64	4586		
				123		70 1	162	AED O			115		104	176

9	CAL FACTOR	(e k)	554.1	ALT (KM)	6,8,4		TEMP (C)		3.31.	•	F-OSTPOINT.	-23.2		TAS (M/S)	110,1			CELVED LE	1248559.5		TOTALS	100
TEST BY AFGL  1 SECOND AVERAGING  18152* NUMBER/M**3-14)	JISTANCE: 109 FT	PRECIP	38094	5.24 F+93	5.035+31	•			· i	•	•			•		;	•	•	ŕ	: =	•	
1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TISTA	SIZE	Ē	434	647	746	124		1556	1975	2132	5429	2726	1023	7 13 (		341	3914	4211	8 (19.7)	;	
AFFICETS OF A TEST BY AFFICET OF A STOND AVER TO 1 30000 AVER THE AFFICE STATE OF A STOND AVER PARTICLE SIZE OISTRAULTONS (NUMBER/Me+9-44)	H20 FLOW PATER 21 GPM	C.00.0	360₹	4.315+67	3.525+67	1.315.67	7 7 7 7 7 7	50.000	4.512.06	1.345+06	1.275+66	5.35=+05	2.645+55	3.150+115	30.400	7.000	********	4.4364.4	5.2 3r bf L	104164		
AFFT: CT ON LATER SIZE O	FL 04	STTE	9	5	,	Ç			77	1,5	142	151	-	110	;	1	7 1	00,			•	
FLIGHT E79. PARTICLE		SSATTER	PROBE	5.675+08	9 0 + 1 × 1	004584 3		0.692409	7.65E+C9	5.682+69	5.21F+69	3. 83F+E9	4. 13F+09	004367.6		Z, 13E+14	1.13E+.9	A. 515+08		201160	2. 52. 408	
SAMPLE : 3	PRESSURE: 10 ºSI	2714	CH)	•				r	=	12	1	. 4	2 =	3 6	3 (	22	24	26	2	D :	3	
	10.0																					
ត	CAL FACTOR: 10.0	P (48)	551.1	ALT (YM)	018.4				-15.2		FUNCTOOTAL	-24.2		13/8/ 347		119.5		AT (N/MT)		144909999		TOTALS
TEST BY AFGL 1 SECOND AVERACING 1119159* (4U48E2/M+*3-44)	JISTANCE: 100 FT	010.00	3609d	7 665436	20000	•	•	•	<b>ئ</b> .		•	• •	; .	•	•,		ć		•	•	•	
TEST 8 1 5 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1	JISTAN	2116	3	•		•	7 7 6	1241	1538	1 4 3 5		7	7 1		777	3336	1617		160	4711	4508	
AFFI: ICINS SPOAV TEST BY AFGL ISHT E79-03 ON 21 JAN 79 11 SECOND AVED INTERAL STAFTIONS (18987/H**3-44) PARTICLE S.F. DISTRIBLIONS (18987/H**3-44)	Has 15 151	9	P4095		/ 5 d d d d d d d d d d d d d d d d d d	- + 10 # · c	1,915+67	3042546	4.7 7.01.6	2 6 10 6 6		1,395,13	2.0 ZE + L 2	5.472423	4 7 4 5	2.4 75+65	7 45545		2 4 25 40 6	7.762+6	+ j+3ü <b>5</b> ° G	
AFFTS D3 ON INTERV	HZO FLIM RATE		27.5 (₹)		71	,	62	82	200		77	751	191	141	3.3	126		1	202	3.33	133	
AFFTS IS F.ISHT E79-03 ON ZI INTERNAL PARTICLE S.FE DISTA		į	30AT 15K		5, 36F+Cd	1.298+39	3,925+09	6.55.+19	200000	60.000	F = 4 - 4 - 4	4.585+09	3.13E+t9	3.035+63	1.855+09	1.545400		0.000	80+366*	3,236+48	6.14E+03	
SAMPLE	ORESSURE 10 ST		SIZE (MU)		2	•	vo	•	• •	3	21	<b>:</b>	91	67	92		<b>,</b>	*>	92	5	Q.E	:

1 10.0

CAL FACTOR: 18.8 TOTALS 4.14E-01 124 FOOSTPOINT -23.3 TENP (C) -12.2 145 (M/S) 119.2 NT EN/N3) ALT (KH) P (48) 551.2 DISTANCES 100 FT 3.115+73 PRECIP Penge SIZE CAL FACTOP: 10.0 PRESSUPT: 13 PST HZO FLOW RITE: 21 GPM 33.75996. 33.75996. 33.75996. 33.7596. 33. 7.93E-6.7 120 7.0U) S12E (49) 2.46E-01 20 SCATTER PROBE SIZE TOTALS 4.15E-01 157 FROSTBOINT TAS (4/S) NT (N/H3) 967427.2 1EMP (C) ALT (KH) P (HA) 551.2 RETSH GF9-03 ON OL JAN 79 1 SECOND AVERAING INSEAD ON OL JAN 79 1 SECOND AVERAING INSEAD OF STATE OF S DISTANCER ACO FT FLJW PATFE 21 GFM 2.456+7 11.366+7 11.366+7 11.366+7 2.412476 2.34214476 2.34214476 11.04476 3.0 4E-01 124 32,013 3125 OZh ISc ff #EdfSSEba 4.91 E-00 8
1.55 E-00 8
1.55 E-00 9
1.55 E 1.62E-01 20 SCATTER PROPE SIZE X CH

A CONTRACTOR

SAMPLE 3

3.53E-12 411

3.40E-61 124

1,92E-01 20

L.K.) #E.) D

TOTALS 6.87F-31

2.51E-31 404

4,345-L1 124

1,35E-01 19

LMC MED 3

SAMPLE1 3

SAMPLE : 3 AFFT, ITING SPRAY TEST BY AFGL	FLIGHT E79-03 ON 21 FAN 79 1 SECOND AVERASING	TATERAL STRATE CONTRACTOR	PARTILE STRE DISTRIBUTIONS (NUMBER/MORAL	70.7
3 AFFIL ICING SPAAY TEST BY AFGL	FILGNY EYS-ES ON 21 JAN 79 1 SECOND AVERACING	I JIERVAL STARTI * 000 110 1	PARTICLE SIZE OISTRIBUTIONS (NUMBER/HHH)	

SAMPLES

CAL FACTOR: 18.8	(48)	551.4	ALT (KH)	4.645		TEMP (C)	-12.1		F-OSTPOTMT	-23.0		TAS (M/S)	119.1		NT CR/MIS	105046.6		TOTALS	3.11E-91	144
DISTANCED 160 FT	PRECIP	PROBE	3,226+33	1.7.6+71		9.		•	9.	•		•	٥.			٠.	0.		4.136-12	87*
NESTO	311E	Ĵ	7 04	647	776	1241	1538	1935	2132	5429	2726	3323	3 72 4	1617	3914	4211	455.			
FLOW RATES 21 GPM	C,00,0	P2095	2.6 BE+17	2.005+67	9.376+66	4.515+63	2.7 3E+06	1.345+65	3.46.54.5	3.22E+C5	4.356+03	1.255.0	2.195+15	1.156+15	7.24E+64	4.555+14	2.9 66+ 14		2.995-61	136
FL3W R	3218	€	23	£ 4	29	5.5	132	12.2	1,	101	191	231	122	241	26.9	293	333			
10 >ST H20	SCATTER	98080	1.056+39	2.65E+09	6.37E+09	1.36E+10	1.30€+10	1.035+10	8.26E+09	6.916+09	7.116+09	4. 925+09	4.22E+03	2,556+69	1.95€+39	7.768 +.8	1.215+43		3.582-01	92
PRESSIPER 10 PST	SIZE	Ŝ	~	*	۰	<b>16</b> 7	07	12	+	16	10	22	22	3.	36	6	3.0		3	MED D
CAL FACTOR: 18.8	P (#8)	951.2	ALT (FH)	4.847		TEMP (C)	-12.3		FODSTPOTNT	-23.3		TAS (4/S)	119.0		NT (N/M3)	1228715.		TOTALS	4.935-01	187
DISTANCE: 100 FT	PRECTA	PRORE	2.625+34	.0	9.	:	;	÷		:	9.					•		;	1.72E-11	3
PISTA	SIZE	Ĵ	† 0 †	6+3	446	1241	1538	1435	1132	5429	2726	1023	3320	1617	1914	4211	4508	•		
H20 FLOW RATER 21 GFY	2000	<b>940 94</b> E	5.) 32+67	3. + 15+67	1.365+4.7	7.152+10	2.95E+u5	50+36962	9.125+05	3.7 65+55	2.30E+1.5	3.166+65	1. 435+05		2.525+0+	5.25=+(+	4.7.5		1,262-61	123
FLOW RA	SIZE	Ş	23	M	63	9.5	113	122	143	161			100	741	7.5	24.7	3	:		
	SCATTED	PROSE	6.614488	2.275+09	5.01E+09	1.13E+10	1.13E+10	7.82E+09	6.62E+09	5. 15E+09	6.9964.3	3.456+69	3.04E+09	1.945+19	1.16E+09	545+48	7.386+08		2.045-01	53
PRESSUREI 14 PSI	321S	(H)	•	•	- 45	•	11	27	: :	91	: :	30	25		26	; <del>*</del>	: =	;	2	E LAW

CAL FACTOR: 18.0 707ALS 2.73E-01 FPOSTPOINT p (#8) 551.3 517 (KM) TE4P (C) TAS (M/5) 119.1 NT (N/H3) 765019.5 AFFT TOTAG SPAR TEST BY AFGL
FLISHT E79-PT ON 21 JAN 79 1 SECOND AVERSING
INTEGRAL STATIFOCIARS SF
PARTICLE SIZE DIVILENTING (NUMGER/WROTHM) DISTANCES 100 FT 6.35F-32 404 9.665+77 PRECIP POORE 53126 440114 1102644 1102644 1102644 1102644 110264 100264 FLIN RITE! 21 FPM 2.09E-61 115 3,035 22035 FAL FACTOR: 10.0 PPESSURE: 13 PSI H20 2.603 3.62E-01 20 SCATTER PROBE TOTALS 3.59E-01 FROSTPOINT NT (N/H3) 954646.2 ALT (KM) 4.845 7EMP (C) -12.7 7AS (M/S) 119.2 551.4 4.45E+13 1.73E+31 PRECIP PISTANCES 109 \$17E FLOW PATER 21 GPM 3.29E-C1 136 3,000 23,095 \$17<u>2</u> (10) OZh isc ft #Eanss?be 2.915-01 SCATTE? SIZE

SAMPLE

SAMPLES

AFFT: ISING SPRAV FEST BY AFGL FLIGHT E79-83 ON 21 JAN 79 1 5520MO AVERAGING I ATGRAL STARTI-BOLLOLFF PARTICLE SIFF DISTREAUTONS (NUMBER/H++5-H4)
JESTANCEI 1ºº FT
3803d (fm)
434 1.345+13 647 3.395+11
935 C. 132 3.
5914 C.
1. 145-32
+15
THETT TOING SPRAY TEST BY AFGL ON 21 JAN 79 1 SECOND AVERACEMS TIERAL STATE PPILARESS* ** DISTRIBUTIONS (MUMFG/Wees-44)
THE BLE LEG ET
517. nREGIP
414 10452411
5+7 i.735+31
1935 0.
3326 3.
517 0.
4538 0.
7.872-34
•

The second of th

	11.1																								10.0																
SW2	CAL FACTORE 18.0	6.643 549.9	41.7 (1993)			TEND (C)	-12.6	:	FOOSTPOINT	-22.9		TAS (H/S)	121.1	•	(M/M2)	1539654.4	TOTALS	6.676-91	195		,	SAI			CAL FACTOR 18.8	i	P (#8) 551-1	ALT (KM)	6.0	TEMP (C)	-12.7		FPOSTPOINT		TAS (M/S)	121.1		C 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	11.036047	TOTAL!	19.306-6
AFFI ICINS SPAN TEST BY AFFI FIGHT ETG-G3 ON 21 JAN 79 I SECOND AVERACENG INFEMAL SPANTI-03128815* PARTICLE SITE OFSTRBUILING (MUMBER/M++3-M4)	DISTANCE: 180 FT	PRESTP PRORE	764366 2		•													2.56.011	404	•	BY AFGL	SECOND AVERAG	INITER SIPE DISTOIGNIES NEW PARTICULAR STATE PARTICULAR SIPE DISTOIGNIES NEW PARTICULAR PROPERTY.		DISTANCE: 100 FT		PRECIP	2,345+34		: -			<b>.</b>					•	: 6		1.545-01
v 1EST 1 1:20:1 (4U48	1210	SIZE (MU)	4 4 4	7	ò	1244	1 2 3	1815	2132	2429	272€	3023	3320	3617	3914	111	4004				r TEST	-	11771 L		DIST		SIZE	43	2 4 4	1241	1538	1835	2132	2726	3023	3326	3617	160	1500		
AFFI ICINS SPAN TEST BY AFFI ISMT E79-03 OU 21 JAN 79 1 56:00M0 AVEF INTERNAL STARTH-03128815* PARTICLE SIZE OUSTRUBLIONS (MUMBEA/Me+3-MM)	HZO FLOW RATES 23 GP4	0,000 7209E	4 175477		2 2 25 4 6 7	0-10-10-10-10-10-10-10-10-10-10-10-10-10	9 3 4 1 5 1 7	1.395+66	1.155+60	5.282+15	6.94546.9	2.8:2015	6.945.64		3-30-4-6	7.30E+14	904345	4.0(5-5)	113		AFFTS TUING SPRAY TEST BY AFGL	21 JAN 79	STOLMITTINS	TYPER RAIN	420 FLOW RATES 23 GOY		2, 5J3 9309E	5.3251.27	1.265+67	9.76E+15	4.7 2E+06	2.546+06	924381.1	4.365485	2-175-05	1.375+65	1.32515		4.19E+04		120
OR OF INTER	FLOW R	(A)	*	,	* 4	9 6		122	142	191	191	2,3	121	241	200	283	2				AFFT	70 80	INTER	?	FLOW R		\$12 <i>ë</i> ( 10)	8		3 6	112	122	2+1	181	201	12.		0 6	300		
FLISHT E79- PARTICLE		SCATTER MROBE	4 751400		3.0354.3	1.00541	1 726410	1.175+19	1. 07 E+10	7.036+09	7.28E+.9	4.23E+03	4.09F+C9	2.25E+39	1.93E+03	9.975+46	I. 90 E+09	1.925-01	20	;		F.IGHT E79-	PARTICLE				SCATTER PROBE	1.47.	5.79E+09	1.966+10	1.635+10	1.196+10	1.395+10	7.176+69	4.55.+09	3,69E+89	2,335+09	1.047400	1.756+09		20 20 20
SAMPLES	PRESSUPER 10 >SI	SIZE	•	. و	•	•	. =	12	3	91	18	20 20	22	77	52	52	26	3	HED D		SAMPLES 4				PPESSURE: 10 oSI		SIZE	2	<b>3</b> V	P <b>«</b>	` <b>:</b>	12	3 u		2	22	2 ;	9	38	•	MED 0
	10.0																								10.0																
9	CAL FACTOR 10.0	551.1			*	TEME (C)			FROSTPOTNT	-22.9		TAS (4/5)	120,0		N (N/F3)	150 3158.6	40741.6	1 6 5 5 6 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	133			Ç4]			CAL FACTOR: 10.0		₽ (MP) 351.0	ALT (KM)	4.859	TEMP (C)	-12.5	;	FPOSTPOINT	6 1 7 7 .	TAS (M/S)	121.0		TOWN THE TOWN	* • 962¢ BCT	TOTALS	313
AV TEST BY AFGL 1 SECOND AVERAGING 00'120138* 5 (MU48E2/4**3-44)	DISTANCEL 1N9 FT	PROTE			1.675+01	•	•	• ·	: 2				·;			••	;	4 745.12	467	į	TEST BY AFSL	1 SETOND AVERBILMS	(7911447)		TH GAT TERMETA		PRECTP	7.746+14	••	•		•	•				3.	,	• •		5.09E-31
TEST 9 1 5 E 1 20 1 13 V	PISTAR	SIZE (MD)	•	3	•	3 .	1647	177	21 42	200	2726	3323	135¢	3617	7162	4211	4234				-		***********		11311		SIZE	104	2 49		1538	1835	2113	2726	3023	1320	3517		1124		
AFFT2 IOING SPDAY ON 21 JAN 79 AFFRAL START+OFT FF OLSTOLEUTIONS IYPE ARLA	HZO FLIM KATER 23 GP4	5,003 P209E		4.51=+07	3.362+17	1.755407	0141/600	8.917.FEG	4 18 14 16	6.4764.5	306250	3,7 36+65	1.37E+65	1.146+05	1.; CE+C5	9.7 62+64	5.542+64		42.5	691	VAFFT TOTMG SPRAY	ST JAN 73	JAL STARTIGE	TYPE RAIN	PGS 10 12110 MILE OCK		2, MJD PROBE	5.+95+27	19-38-67	2.725.07	4.705+06	4.36€+€6	1.505+66	7.54545	4.7 4.5	1.715.65	7-565+64	1.1854	1.395+65		4.32E-01 153
15 24 14 54 14 56 01	FLOW KN	117E (U)	į	23	<b>,</b>	2 6		136	1 2		11	2.1	22.1	747	160	35	5				leet	70 23	141.0		96.13	2	\$17E	2.3	2	?:	25	122	4	707		22.1	X	. 2	200	:	
AFETS IN ESTANT SELICATES FELICATED TO SELICATE SERVICE SERVICE SELICATED SERVICES AND THESE AND A PERSON AND		SCATTER PROBE		1.576+39	5.68€+49	1.425.1	61+300 • 2	1.012+19	11470741	01.410.4	7.916+14	4.7364.9	4.18E+69	2,315+19	2.16E+ú9	1.115+09	2.06E+09		4. 24E-01	2		FLISHT E79-LT DV	171 2710 0 1011000				SCAFTER PROPE	1.615+.3	5.62E+69	1.395+19	1.77E+10	1.255+10	1.116+10	F=+392+1	4.73E+69	4. 38F+69	2.336+09	2.156+69	9.98E+68		4.15E-01 20
SAMPLES 4	PRESSURET IN PSI	SIZE (MU)		~	•	•		3:	7	7	2 -	2		*	92	82	30	•			SAMPLE				700 04 0501 1000	PAESSORE E	\$12£ (MD)		1.5	•		15	3	C =	5.5	22	\$2	92	<b>9</b> 5	3	IEG O

<b>9</b>	CAL FACTOR! 18.8	950.9		TEL CENT	259.4	410	יבשב וני	9 - 21-		F K OSTPOT WT	1.22-		TAS (H/S)	121.0		MT GM/WTI	1254171.4			C. 18 10 10 10 10 10 10 10 10 10 10 10 10 10	532
EST BY AFGL 1 SECOND AVERAGING 11 SECOND AVERAGING UNDER/HOOT-NA)	DISTANCE: 108 FT	PRCTP PROBE	* ***	20.186734	<b>:</b> •	: .	:.	•		•	<b>:</b> .	•	•	÷	÷			: 4	;	3.755-11	969
V TEST B 1 SE 0120113*	01514	S12E (MU)	7 64		3 8	7		1770		2512	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	200	3823	3320	3617	3914	4211	4588			
AFFI: ICIMG SPRAY TEST BY AFFEL FIGNT E79-83 ON 21 JAM 79 1 SECOND AWER INTERNAL START: 00128130 PARTICLE SIZE DISTRIBUTIONS (NUMBER/Mo+9-m4)	HZO FLJW PATES 23 GPM	CL DUD	R. 2 & S & C & C 7		7842716	1.205477	A 0.05	20.000.00	00.0000	10.010.01	200000	2046.403	5 9 4 3 6 4 6 2	3.086+65	1.146+05	1.146+05	1.146+45	1.025+05		5.53E-01	127
AFFT -03 OR INTER SIZE D	FLJW P	\$12E	2.6	, ,	. 4		-				•		102	122	241	260	290	300			
FIGHT E79 PARTICLE		SCATTER	1.646+09	6.026400	1.375.19	1.98E+10	1.775+10	1.24641	4.08644	7.295483	7.255400		BO TO C + 0.3	5. 50 E+09	2, 19E+09	1,515+69	9.68E+48	1,576+09		3,80E-01	20
SAMPLES	PRESSURE: 10 "SI	SIZE (HU)	N	·.		•	=	: :	1 4	4	=	: 5	2 6	3,	₹.	<b>5</b> 8	<b>9</b> 2	E		E	4E0 0
.tn6	CAL FACTOR: 18.8	6.648 549.9	aLT (KM)	4.854		TEMP (C)	-12.7		FROSTPOTMT	-22.6		TAS (M/S)	* ***	11111		NT CN/H3)	1477663.9		TOTALS	5.41E-01	140
AV TEST BY AFGL 1 SECOND AVERAGING 06:20117P 19 (NUVBE2/4*3-H4)	DISTANCES 149 FT	PRECTP BR 0 9E	1.765+34	•					٠,	•				; .	•	•		•		1.1611	3 E-3
14 TEST BY AFGI 1 SECOND 1 106120117* 19 (NU4062/4**3	DISTAN	S12F (4J)	707	647	35	1241	1538	1835	2112	2429	2726	2723		9 (	100	2914	4 23 1	4538			
	HZO FLJ# RATE: 23 GPM	±€0≵a	3.35E+07	3.355+07	2.116+07	9.142+66	4.935+66	3.155+86	1.312+66	4.4 BE+C 5	5.41E+F5	2.495+15	1.94046.6	10000	# 3436 de /	201/2014	3.535+64	3.165444		4.25E-[1	117
AFFT INFER SIZE D	F.C.	ST ZE (190)	8	*	29	45	102	122	142	161	181	333		4 .		3	250	300			
FIGHT E79-61 ON 21 JAN 79 14 15 15 15 15 15 15 15 15 15 15 15 15 15		SCATTER PROBE	1.68F+89	5.87E+69	1.405+10	1.97E+10	1.735+10	1.19E+10	1.13E+10	7.565+09	7.535.69	6.29E+109	1.766409	61456		Z. U+E+D9	1.05E+09	1,935+49		3.97E-01	<b>50</b>
SAMPLET	PRESSURE: 10 PSI	SIZE (CM)	~	•	•	•	3	12	**	91	53	23		3 6	***	4)	(2)	2		2	MED D

CAL FACTOR: 18.6	P (MB) 551.0	ALT (KM)	TEMP (C)	-12.9	FROSTPOINT		TAS (M/S) 121.7	MT (N/MZ)	2221950.4	1.05E+10 2.05E+10 209
DISTANCEL 180 FT	PRECIP	5.64E+14.			<b>.</b>	• •	<b>:</b> :		•	3.715-01
DIST	SIZE	404	127	1938	2132	2726	3328	3617	4211	
RATE # 23 634	SL0J0 P203 <u>5</u>	5.556+67	1.256+07	3.865+05	2-815+06	7.046.5	4.1 24.15 4.1 24.15	1.31E+85 1.31E+85	1.4 36+65	6.76E-01 129
FLJW	\$17E (40)	N M 6	2 2 5	122	142	=	1 2 7	3 62	25	
02H 15c 0T	SCATTER PROBE	1.61E+u9 5.84E+09	2.02E+10	1.32E+10	1.23F+11 7.45E+09	7.516+09	3,986+89	2.295.09	1.20E+09 2.06E+09	4.22E-81 20
PRESSUPER 10 PSI	SIZE (MIJ)	NJ		12	<b>1</b> 1	2.5	3 2 2	<b>.</b> 2	30	LINC HEG D
CAL FACTOR: 18.0	P (MB) 551.0	ALT (KM) 4.850	TEMP (C)		-22.1	TAS (M/S)	121.2	NT (N/H3)	1952464.0	707ALS 9.54E-01 246
DISTANCES 160 FT	PRECIP PRO9E	5.97F+14 0.		:	•			::	::	3.90E-31 405
015740	SIZE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1241	1935	2429	3023	1320	3914	12124	
HZO FLOW RATER 23 6PM	5_FNU0 PR 03E	6.36E+07 4.73E+07	4.340407	3-196+15	7.125.05	5.12E+65 1.24E+65	2.7 36.05	1.346+05	1.866+65	5.345-61
FLOW R	\$12E (10)	61 34 4 80 80 60	92	12.2	161	181 201	221	96	200	
	SCATTER PPOBE	1,79E+09 5,63E+49	1.936+10	1,26E+19	7.336+09	7.59E+09 4.45E+69	3.645+69	1.956+19	1.605+09	3.39E-81 26
PRESSUPE: 10 2ST	S12E (MD)	N 4 d	* *	27	91	19 28	22	2.5	8 R	3.0 0

AFFT2 TGING SPAN TEST BY AFSL
F\_IGHT E79-03 ON 21 JAN 79 1 SECOND AVERGING
I 4FSKAL STATT-OFF28823\*
PARTICLE SIZE DISTABULINNS (MUMBER/MPR3-MM)
TYPER RAIN

SAMPLE! 4

AFFT ICING SPRAY TEST BY AFGL
E\_IGHT E79-03 ON 21 JAN 79 1 SECONO AVERAGING
I HTERAL STATIONIZORIA?
PARTICLE SIZE DISTIBULIONS (HUMBEZ/4003-44)
I YPE: RAIN

SAMPLE 1 4

9 3	CAL FACTOR: 16.8	P (MB) 950.7	ALT (KM)	4.853		TEMP (C)	-12.9		FROSTPOINT	-26.9		TIS (#/S)	121.2		NT (N/ME)	5 0 1 5 5 1 6 . S		TOTALS	8.476-61	241
EST BY AFGL 1 SECOND AVERAGING 10 123 • IUMBER/4005-M4)	DISTANCE: 100 FT	PROBE	_	1.675.01	•	•	•	•	•	ě	•	•	;	-	9.				5.52E-12	904
1 TEST 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TSIC	SIZE	404	64.7	446	1241	1536	1835	2112	242	272 E	3023	3320	3617	3914	4 21 1	4506			
AFFT: ICING SPRAY TEST BY AFGL FLIGHT C79-83 ON 21 JAN 79 11 S.COMD AVE I AFFALL STARTIONS (NUMBER/4009-WY) PARTICLE SIZE DISTALATIONS (NUMBER/4009-WY)	HZO FLJW RATER 23 GPM	01.043 P2.085	3.546467	7.735+07	3. i 6E+C 7	1.525+67	8.88E+f6	4.) 65+06	2.335+66	1.035+16	4.265+05	4.045+65	7.4.2E+C5	1.575+65	1.715+65	1.375+05	1.164.5		7.325-61	125
AFFT B3 ON I 47 F.K SI7E D	FL 34 R	S176 (VP)	2.3	<b>F</b>	62	€.	112	153	142	161	1,41	:31	23.1	19.	25.9	293	133			
FLIGHT ET9- Particle		SCATTEP PROBE	1.562+09	5.65€+09	1.35E+10	1.82E+10	1,62E+10	1.065+10	9.74E+09	6.295+49	6.86E+39	3. ×9E+19	3.50€+09	1.95E+39	2, 925+69	1. JZE+09	1.77 = +03		3.65E-01	20
SAMPLES	PRESSURE: 10 "SI	512E	~	3	•	•	7	75	**	91	91	92	22	72	52	62	30		ر <u>ج</u>	MED 0
U M	CAL FACTOR: 16.8	6.083 550.9	ALT (KM)	4.852		TEMP (C)	-12.9		FROSTPOINT	-21.1		TAS (M/S)	121.7		TH (N/M3)	2454795.5		TOTALS	8.228-01	146
PRAV TEST BY AFGL 9 1 5ECONO AVERAGING 1°08128121 ONS (NUMBER/N+°5-HM) N	DISTANCE: 108 FT	PRECTO	2.23E+84						•		0								1.45E-31	<b>,</b> 0,
PAAV TEST BY AFGL 1 SECONG A 1 SECONG A	DISTAN	S12E	7 0 7	3	946	1241	1530	1835	2132	9429	2726	3023	3320	1617	3414	4211	4508			
AFT: ICING SPRAV 83 ON 21 JAN 79 ILTERAL STATE 98: SIZE DISTREBUTIONS (TYPE: ALN	HZO FLOW RATER 23 GP4	360 % 000 %	8.7 45+87	6.325+67	3.02F+67	1.35E+0.7	7.862+45	3.325+86	2,205+06	1.236+00	3.405+4.5	6.195+65	3.46.6+65	1.518+85	8-21506	4.46E+C+	3-3954.5		6.7 SE-41	119
AFFT. B3 ON I 4TER	FL3M R	317E (40)	,		4	8	102	122	142	191	181	702	22.1	7	2		-	;		
AFFT: ICING STATES ON 21 JAM 77 INTERPLET STATES ON 21 JAM 77 INTERPLET STATES ON STAT		SCATTER PROBE	. 646489	A. 34F+89	4.365418	1.985+18	1. 66F+10	4.005+18	1.045+19	6.74F+39	2.246489	P043CE-4	7. 68F+89	2.195.689	4. 445409	80+US-1	1.736499		3.715-01	58
SAMPLE	PRESSURER 18 PSI	SIZE	•		•	•	, =	- 2	1 =		=	3 5	2			3 2	: 2	;	9	MED D

FOOSTPOINT -20.6 NT (N/H3) 2053117.7 TEMP (C) TAS (H/S) 121.4 11 (KH) AFFT3 TOTMG SORAY TEST BY AFGL

F\_IGHT F79-03 ON 21 JAN 79 1 SECONO AVERAZING

INTERVAL STATIG-02620794

PARTICLE SIZE DISSERBAJIONS (NUMBERYGOUS)-NU)

TYPE: RAIN PESTANCE ASS FF PRECIP PPD8E FLOW PETER 23 GPM ST75 CAL FACTOR: 10.0 PRESSURE: 10 PST 420 1.597.00 1.597.00 1.597.00 1.596.00 1.5 2.6JE-01 19 STATTER PROPE FROSTPOINT -21.1 TAS (M/S) 121.2 NT (M/H3) 2032599.8 ALT (KM) 4.852 TEMP (C) -12.9 P (MB) 558.9 FIGHT E79-03 ON 21 JAM 79 1 SECOND AVERACING INTERPRETATION OF 1 SECOND AVERACING TO STATE OLSTSTOME 2/Me93-W4)

TYPE: RAIN TYPE: RAIN DISTANCES 100 FT PRECIP PROSE PRESSURE 14 PSI HZO FLOW RATE 23 6PH SIZE (MU) 1.72E 60 1.47E 60 1.47E 60 1.47E 60 1.47E 60 1.60E 61 1.60E 61 1.60E 60 1.6 3.51E-01 20 SCATTER PROBE 

The state of the s

SAMPLE

SAMPLES

CAL FACTOR: 10.8 F40STPOINT -28.4 TEMP (C) ALT (KH) TAS (M/S) 121.7 P (MB) 558.6 AFFT: ICIME SPRAY TEST BY AFGL
F\_IGHT E79-83 ON 21 JAN 79 1 SECOND AVERAGING
INTERNAL STRATITEB0128127\*
PARTICLE SIZE DISTREMENTOWS (MUM 0E4/4\*\*3-MM)
IYPES RAIN Ľ 2.46E+94 1.75€+01 DISTANCE: 100 OFF TORROUSER TO TO SERVING TO THE S HZO FLOW RATE: 23 GPM C. 000 STZE (40) SCATTER PROBE CAL FACTOR: 10.0 PRESSURE: 10 PSI FROSTPOINT -20.5 TAS (4/S) 121.4 ALT (K#) -12.9 P (MA) TENP (C) AFFT: TOTME SPRAY TEST BY AFGL
FLIGHT E79-63 ON 21 JAN 79 1 SECOND AVERAGING
INTERNAL STRAT\*\*\* 00120128\*\*
PARTICLE SIZE DISTABULIONS (NUMBER/M\*\*)-14) DISTANCE: 100 FT 1.425+34 HZO FLOW RATES 23 GP4 2,033 P308E SIZE (MC) SCATTER PROBE PRESSUREL 10 PST 4686865555 4686865

SAMPLE

SAMPLES

AFFIZER SPRAY TEST BY AFFILL FLIGHT E79-43 NW 21 JAM 79 1 SECOND AVERAGING INTERNAL STATT+03120129\*
PARTICLE SIZE DISFIRMINS (WUMBEZY4\*\*3-44) SAMPLES AFFI TOTAG SPRAY FEST BY AFSL F\_IGHT F79-E3 ON 21 JAN 73 1 SECOND AVERSING INTERNAL STRATE-010:23:028\* PARTICLE STY DISTABULIONS (MUMERICHES TYPE: RAIN

::

7.85E-81

1.64E-31 435

6.21E-01 111

5.24E-02 19

7.175-01 124

9.3+E- 32 404

5.246-61 111

1.72E-01 19

NT (N/HE) 2466922.8

NT (N/H3) 2429515.6

CAL FASTORS 1	P (#8) 550.6	ALT (KH)	TEMP (C) -12.6	FROSTPOINT -28.5	TAS (N/S) 121.5	NT (N/H3) 2262136.0	107ALS 6.35E-01 128
DISTANCES 180 FT	PRECIP	4.63F+93 1.67E+01					3.126-12
01514	SIZE	936	1241	2429	3823 1320 3617	3914 4211 4588	
RATER 23 624	5,040 9203E	8.53E+C7 5.84E+67 2.416+F7	1.32E+67 7.00E+67	1.40E+66 9.47E+05 7.67E+03	3.106+63 1.865+65 1.916+65	1.10E+65 7.98E+64 5.07E+04	6.04E-61 116
FLOW	\$12E (40)	2 th 12	102	142 161 181	22 22 24 24 24	289 300 300	
0 2 H 15 C	SCAFTER PP09E	1.585+08 3.465+08	1.85E+69 1.61E+09	1.15E+09 9.11E+08 6.93E+08	4,37E+08 2,18E+08 1,89E+08	9.79E+07 9.79F+07 6.78E+67	3.24 E-02
PRESSURER 10 PST	S12E	w e. 10	****	4 4 9 9	2222	2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	NED 0
CAL FACTOPS 10.0	6 (MB)	ALT (KM) 4.854	TENP (C) -12.8	FROSTPOINT -28.4	TAS (M/S) 122.0	NT (N/H3) 2263832.9	TOTALS 7,58E-01 136
DISTANCED 100 FT	PRECIP PROPE	6.65E+03		• • • • • • • •			4,46E-32 486
DISTAN	SIZE	3 1 2	1538	2132	326 3517	391 4 4211 450 8	
TE1 23 6PM	6.000 P235	7.192+17	1.3 A A A A A A A A A A A A A A A A A A A	1.15E+05 1.15E+05 1.25E+05	2.32E+05	1.775+65	7.1 4E-01 123
HZO FLOW RATES	\$12E (40)	m + 0	25.00	161	222	76.0 26.0 5.0	
	SCATTER PR78E	5.44E+68 1.94E+69	7.07E+09 5.54F+09	3.52E+19 2.54E+19 2.54E+19	1,37E+09 1,01E+09 6,30E+08	3. 65E+68 2. 64F+68 4. 64F+68	) <del>vi</del>
PRESSUPER 10 2SI	S1ZE (MU)	N.+.	**3	214		<b>200</b> 200 200 200 200 200 200 200 200 200	909

SAMPLEO

AFFT ICING SPRAY TEST BY AFGL
F\_IGHT E79-03 ON 21 JAN 79 1 SECONO AVERAGING
INTERVAL STRATT+0F128129\*
PARICCE SIZE DISTRIBUTIONS (NUMBERPH++3-44)
TYPES RAIN AFT2 ICING SPRAY TEST BY AFGL
F.IGHT E79-83 ON 21 JAN 79 1 3520MD AVERAGING
INTERPAL STRIT+88128131+
PARTICLE SIZE DISTREBUTIONS (NUMBER/M++3-44)
IYPER AAIN

SAMPLE

CAL FACTOR: 18.8 TOTALS 6.53E-01 142 FROSTPOINT -28.5 ALT (KH) TEMP (C) -12.5 TAS (M/S) 122.1 NT (M/H3) 2013688.1 DISTANCE: 100 FT .22E+34 PRECTP PROBE SIZE FLOW RATER 23 GPM 32.5 むむしょしょしょくことを見るのののののものとこのごろくとものかっとものものものものものものものもととことにしょく CAL FACTOR 18.8 PRESSURE: 13 3ST H20 3, 97 E = 0 8
3, 92 E = 0 8
3, 92 E = 0 9
3, 93 E = 0 9
3, 10 E = 0 9
4, 65 E = 0 9
4, 87 E = 0 9
4, 87 E = 0 8
2, 10 E = 0 9
4, 87 E = 0 8
2, 10 E = 0 9
4, 87 E = 0 8
2, 10 E = 0 8
2, 10 E = 0 9
4, 87 E = 0 8
2, 10 E = 0 8
4, 87 E = 0 8
4, 6.09E-02 SCATTER PRORE TOTALS 8.47E-81 197 FP057P0INT -28.6 TENP (C) -12.6 4LT (K4) TAS (M/S) 122.2 NT (N/H3) 2-42572.7 DISTANCE: 100 FT 2.94E-31 47E+04 PRECTO PROSE FLOW RATES 23 GP4 66.92 96.92 96.92 96.93 96 5.53E-61 H20 6.94E-02 SCATTER PROBE PSI PRESSURE1 13

AFFT: ICING SPRAT TEST BY AFSL
FLIGHT E79-N3 NY 21 JAN 73 1 SECOND AVERAGEMG
INTERFAL STARTH-OF128153\*
PARTICLE SIZE OLSTREUJITONS (NUMPER/AFFS-44)
TYPE: RAIN AFFI TOTAG SPAR TEST BY AFFI FIGHT E79-03 OY 21 JAN 73 1 SECONO AVERACING INTERAL SISTOROSTICADISES PARTICLE SITE DISTRIBUTIONS (NUMBER/NEWS-HY) TYPE: RAIN

SAMPLES

CAL FACTOR 18.0 TOTALS 8.26E-01 201 FROSTPOINT -28.5 TAS (M/S) 122.2 ALT (KH) TEMP (C) NT (N/MB) 1983177-1 DISTANCES 190 FT 7.67E-11. 4.67E+34 3218 OF PACES OF SET CAL FACTOR: 10.0 PRESSURE: 10 PSI HZO FLOW RATE: 27 CPM 6.20 (% 4.20 % 4 9. F4E+C4 8.37£+04 7, 040 22,986 \$12E 9,76E-02 19 SCATTER PROBE 3336223333334233342333423 TOTALS 8.55E-01 226 FOOSTPOINT -20.6 ALT (KM) 4.854 TAS (M/S) 122.2 NT (N/M3) 1833342.8 P (MR) 558.6 -12.5 TEMP (C) DISTANCE: 130 FT 4.81E+34 FLOW RATES 23 GPM 7.37E+07 4.35c+07 2.64E+07 1.28c+07 5.01E+05 3.0JJ 317£ PRESSURE: 10 3ST H20 6.74E+87 1.95E+88 7.19E+09 9.51E+08 5.69E+08 6.09E+08 6.12E+08 2.55E+08 1.57E+08 3.99E+07 6.59E+07 6.59E+07 1.72E-02 19 SCATTER PROBE

A STATE OF STREET

SAMPLES

SAMPLE1 5	AFTS IC F.IGHT E79-01 ON 20 INTERVAL PARTICLE SIZE OISTA	AFFTS FOT ON 2 INTERVA E SIZE DIS	1, ICING SPRAY TEST BY AFGL 21 JAN 73, VAL STARTH-00 125:105* DISTRIBUTIONS (MUMBER/4+*5-NW) TYPE: RAIN	1657 8 1 56: 125:105* (NUMBER	EST BY AFGL 1 SECOND AVEPAGING 5:05* UMBER/4**3-M4)	9	SAMPLE		-03 ON IVIER	AFFI IZNS SPRATTEST BY AFGL F-IGHT E79-03 ON 21 JAN 79 INTERNAL STARTINGNINESTON PARTICLE SIZE DISTRIBUTIONS (NUMBER/H++3-H4) TYPES RAIN	1557 B 1 56: 125:09*	TEST BY AFGL  1 SECOND AVERAGING  25:09*  NUMBER/H**3-M4)	9
PRESSURE: 10 PST	02H 15c 01	D FLOW RAT	RATE: 18 GPM	DISTAN	DISTANCE: 200 FT	CAL FACTORE	CAL FACTOR: 8.8 PRESSURE: 14 PSI		FLOW K	H20 FLJW KATES 18 GPM	DISTAN	DISTANCE! 290 FT	CAL FACTOR:
S 12E (MJ)	SCATTER PROBE	STZE (VI)	CL 0UD P 2 0 B E	SIZE	PROSE	6.48) 549.9	SIZE	SCATTER PROBE	\$12E (40)	% 000 2₹08E	SI7E (HJ)	PROBE	P (MB) 549.8
~	7. 66E+88	23	7,395+87	404	3,526+83	ALT (KH)	62	4.54E+08	23	2.426+67	101	2.035+91	ALT (KH)
•	2. 6+1+09	M.		2 + 9	1.68E+31	4.064	<b></b>	1.986+09	F *	20235467	44	3,35£+31	4.866
Φ.	8.57E+09	52	304364CF	7 7	•	TEMP (C)	₽ •	5.40F+09	2 °	1.185.6	796	•	TEME (C)
. 4	7.345+69	182		1538		-11.8	1	3.355+09	132	2.545+05	1538		-12.0
12	4. 90E+09	12.2		1835			12	2.25E+49	122	1,42E+66	1935	:	
1 2	3.87E+09	142		2132	•	FROSTPUTNT	1	1.86E+09	14.7	8.335+65	2132	•	FROSTPOINT
- M	2.916+49	161		2429	•	-50.4	16	1.636+09	161	7.17E+F5	5459		-20.5
=	3.236+49	191		2726			21	1.47E+u3	191	2.572+05	2726		
2 2	2.61F+19	201		3023	9.	TAS (M/S)	20	1.16F+09	102	49+BC×-6	3423		TAS (M/S)
2	1.725+09	221	1.032+05	3320	.;	120.6	23	7.436+09	121	6.345+64	3426	•	121.0
1 2	03450	241		3617			*2	4.75E+39	17.	4.80E+C	1617		
3 2	5.92F+08	360		3914	•	NT (N/H3)	24	1.82E+ü8	260	•	161	•	NT (N/H3)
2 <	2. 43F+08	082		4211	•	746972.7	28	1.212+08	239	-	4211	•	4 84 256 . 9
2 5	3.576+08	5.23		450.6	:		8	7.55±+07	103		4538		
3		;				TOTALS							TOTALS
3	1.496-61		2.395-81		2.386-12	2.376-91	C KC	6.86E-02		2-145-61		1.55-13	2.16E-01
15D D			117		<b>10</b> 4	126	4E' D	18		179		633	110
SAMPLE: 5	F. IGHT E79	AFFTS		123T 1 36	EST BY AFGL 1 Second averaging	NG	SAMPLE: 5		16FT	1FFT3 ICING SPRAY TEST BY AFGL	1EST 9	TEST BY AFGL 1 SECONT AVERAGING	S.
	PARTICLI	INTERVA E SITE DIS TY	INTERVAL STARTE-OF1251-07* PARTICLE SI7E DISTRIBUTIONS (NUMBER/M**3-NY) TYPE: RAIN	1251u7*	(FR-E **F/			PARTICLE	1475R	INTERNAL STARTE-OFIEDSFEUD** PARTICLE KIZE OKSTRIBUSTANAS-3-44) TYPE: RAIN	1251 63* (NU48FR	(hh=£+sh/	
				1						*****			

PRESSURER 13 PST		FLOW RE	HZO FLOW RATER 15 GPM	DISTA	DISTANCES 200 FT	CAL FACTOR	8.0 PRESSURE: 10 %SI		FL34 R1	HZO FLJ4 RITES 13 GP4		PISTANCE: 200 FT	CAL FACTOR	9.0
\$12E (MU)	SCATTER PRORE	SIZE (40)	6_0J)	SIZE	PRECIP PR395	6 (4E) 546.9	S12E (HU)	SCATTER PRO9E	512E	2,000 PR03E	3118	PRESTO PRORE	6 (48) 549.7	
•	6.215+08	23	1.765+07	79		ALT (KM)	~	4,45E+08	23	1.29E+C7	*[*	3.72E+37	ALT (KM)	
. 4	2.55F+09	7	2.16E+67	647		4. 854	*	1,49€+69	t 3	1.965+07	6+7	5.016+11	4, 867	
•	7.146409	62	1.47.407	776	ċ		•	4,52E+09	25	1.296+77	776	•		
•	8.81F+89	100	5.396+66	1241		TEMP (C)	•	4.88E+09	60	4.925+66	1241	•	TEMP (C)	
, =	P0+366-4	112	3,36=+05	1538	6	-12.0	10	2. b3E+09	10.5	3,23=+06	1518		-12.0	
2	3.465+09	12.2	1.75E+06	1875	•		12	1,95E+09	122	1.755+66	1635	<b>%</b>		
4 4	2.83F+09	142	3.35E+C5	2132	•	FPOSTOOINT	41	1. 63E+69	142	6,435+65	2132	0.	FROSTPOINT	
2	1.532+09	161	4.30E+65	5429		-20.5	16	1.25E++9	161	4,22±+15	2429		-20.5	
<u> </u>	2.546+03	191	2.00E+05	2726			16	1.17E+03	181	2,562+15	2726			
7	1-735+09	202	9.35E+6+	3023	•	TAS (N/S)	20	7.17E+08	201	9.326+04	3123	ċ	TAS (M/S)	
2	1.245+69	22.1	6.35€+64	3320	.0	120.7	22	5,36E+08	122	3.425+04	3326		121.2	
1	A. 55F+08	146	1.146+05	3617	•		42	4.15E+68	241	7.595+64	3617	•		
*	5.61F+0A	260		3914	•	NT CN/M3)	36	2.95E+08	260	5.326+64	3914	•	NT (N/FB)	
	1.825+08	280		4211	•	952614.9	28	6.83E+07	283	3.326+1.4	1124		873512.7	
; #	2. 5AF+0A	240		4508			10	8.31E+07	300	20345+6+	4508			
3						TOTALS							TOTALS	
9	1.156-01		2.53E-01			2.53E-01	C NC	5.62E-02		2.536-01		2,65F-32	2.80E-81	
			-		•	110	O LJH			116		P 7 4	121	

1FF1: ICING SOOAY TEST BY AFG. F_IGHT E79-67 OW 21 JAN 79 1 55COVD AVERAGING 147EAL STARTHOBISS12? PARTICLE SITE DISTRIBUTIONS (MUNDER 2/MORE)—44) 1728 4418
un ••
SAMPLE 8 5
SFILEMY E79-81 ON 21 JAM 79 1 SICOMO AFEL LEWY E79-81 ON 21 JAM 79 1 SICOMO AFER ASIMS TWISTEL STATE OFFICESTARY PARTICLE SIZE DISTREBUTIONS (MUNERATORS)-MU)
<b>s</b>
SAMPLE

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CAL FACTORS	(alu) d	4.6.5	ALT (EP)	F. 858		TEUF (C)	711.8	•	FROSTPOTMT	-26.4	•	11S (M/S)	128.4	•	NT (B/P3)	584265.9		TOTALS	2.736-01	1.1
DISTANCÉS 200 FT	PRECIO	P409E	3,856+13	3.356+81			:			•		: 3	:						2.67E-12	
918T4 N	321S	ĵ	1	547	7 76	1241	153.8	1835	2132	2429	2726	3393	3320	3517	1314	6211	453.6			
420 FL3W RATE1 15 FP4	5.933	26C2a	2,315467	2,125057	1.545.46.7	5,19506	2.6 95+45	1.225476	8.34E+C>	3.176+15	2+285+52	3.36500	1.) 35+65	7.5:50	5.71E+f*	4.285+44	2,325+64		2.665-61	123
FL3W RS	5115	Ĵ	2.3		52	er er	132	A.	142	19:	191	64 67 61	1,2	2.41	25.3	23.3	53.7			
	SCATTER	><08E	2.035.44	1.17 5+69	3,716+63	3.46£+89	2.12E+69	1.232+09	1.245+43	9.31E+68	9.695+68	5.63E+CB	4.32€+19	2. 25. 25.4	2.126.03	9.845+07	1.216+55		*.57F-62	13
8.8 PPESSURE! 18 #ST	5175	:Suc	2	•	æ	•	24	12	1	16	19	22	22	42	52	19.00	27		Ş	€ C3#
CAL FACTOS !	(48)	2.5.3.	ALT (50)	4,858		TEMP (")	-11.9		FPOSTPCINT	-58.4		*4S (H/S)	121.1		MT (M/WT)	756171.3		TOTALS	2.78E-9:	144
DISTANCE! 248 FT	eIú3od	P. C. S.	3.50E+33	•	e.		•	់		<b>.</b>	÷.			ċ		<b>:</b>	÷		£*2*£*35	404
MATSIC	3218	3	3	2+7	į	1241	1548	1835	2132	545	3212	1823	3326	1617	331+	1125	4568			
HE1 18 50W	0,000	383	1.995+67	1.762.07	1.385.87	4. 142+86	2.362+66	1.362+36	3.2854.5	4.222+63	2.56€+1.5	6.225.	1.376+05	.:	3.57.5.63	1.95:464	1.762164		2.163-61	121
HZO FLOW RATE!	517	ĝ	23	¥ 4	62	C!	2.02	12.2	162	161	191	101	757	15	263	233	16.)			
	SCATTER	3,509,6	2.65€+88	1. 85€+89	3.198+69	3.146+83	2-186-89	1.285+89	9. 37 £+98	1. 89E+£3	8-165-45	6.355.08	5.446+63	2.046+18	9.83E+87	4.535.437	6.85E+87		3.935-02	13
petssuker 18 »SI	215	ŝ	~	*	•	•	5	15	:	:3	2	2 <b>.</b>	22	20	92	<b>5</b> 2	**		S	#E3 3

ACTT TOTAG SPRAY TEST BY AFS.

5.15MT E79-87 OY 21 JAN 79 1 SFCOND AVERACING

6.75K-AEL STARTY-8F1258139

PARTICLE STSC DISTRIBUTES (MUMBER/HOWS-MAY) AFF: 101% SPDAY FST BY AFSL FISHT E79-E7 ON 21 JAN 79 1 SLOW) AVERAGING I FFEMAL STATE-09:1258.11\* PARTICLE SIZE DISTALPJEIDUS (4UM E24/44\*3.44) TVOST RAIN

STMBLES S

	:																				
	CAL FACTORS	(HB) a	549.9	ALT (EM)	4.866		TEMP (C)			FORSTONTET	-28.4		TAS (M/S)	6 96 9		MT 64/471	101677.0		TOTALS	3.34E-01	121
	DISTANCES 240 FT	aIC38d	36Cac	7.156.13				, e1				٠	: -:			: =			;	4.785-32	,0,
	DISTAN	3218	£	5	547	196	1241	1536	1835	2132	2 1/2 9	2726	3423	1326	3617	3914	. 524	158	:		
KINE IEGAL	429 FLDW KITES 18 604	0.633	25044	7.454.7	2703900	1.235467	0.356+65	3.76.74.6	1.0 800.5	1.12: 06.6	3.712+23	2.296+65	9.362+64	1.1750.5	7.52.464	3-305+64	1.036.66	1.786.6		2.578-81	114
-	FL 34 K1	3235	<b>(</b> *)	2	•	6	0	112	122	1+2	151	1.9.1	231	22.4	24.1	26.	29.3	38.3	•		
		SCAFTER	36646	5.23E+G8	2.15E+09	7.21E+#9	6.64.8489	3. 82E+69	2.71E+63	2.15.19	1. +3E+C9	1.565.49	1.458.489	1.615+89	4.736+68	3.156+68	1.21 E+68	1.67 5+4.3		7.846-82	7.0
	THE FECTOR 6.8 PRESTURES 13 ST	3115	(CA)	?		•	•		77	7.7	10	116	23	22	**	55	28	- F		3	MEO 3
	AL FESTORE	( e # ) a	5.9.6	ALT (PP)	4.603		7EMP (C)	-11.4		FPESTPOINT	-28.4		\$45 (M/S)	121.1		NT (M/FZ)	792577.9		TOTALS	3.366-01	168
	DISTANCES 270 FT	d1030d	36Ced	1.665+74	.;		•	•	<b>.</b>	•		÷	•	•		ė	.;			1.196-11	*
	DISTA	3176	ŝ	7	4	116	124:	1538	1635	2132	2429	2726	3923	3326	3617	391 €	4211	4538			
HIVE STATE	Find ATER 14 504	0.000	3605e	1.765.17	1,76€+€7	1.372+17	5.912+£6	3,19E+f 5	6.945.965	3.886+65	3.435+85	1.715+65	1.246+(5	1.375+65	-	1.56E+f 4	3.326+6+	2.305.65		2,265-61	111
•	E Police	3718	Ş	23		24	92	795	122	142	161	181	211	221	241	8	283	330			
	420	SCATTER	3 P.39E	2.646+38	1.105+69	3.885-19	3.295 469	2.045+83	1,326+69	1.136+69	8,695+18	9.526+68	6.425.48	5.67E+18	2, 87 E++8	1. 1. 1.	6, 15£+17	1,516+87		4.14E-62	19
	PRESSURER 10 PSI	3175	(MO	~		•	**	77	21	1	13	87	24	22	2	92	82	×		2	0 (3)

A CONTRACTOR OF THE PROPERTY O

SAMPLE: 5

AFFT3 ICING SPRAY TEST BY AFGL FLIGHT E79-83 ON 21 JAN 79 1 SECOND AVERAGING I HERVAL STARTI-OFFESSISPARTICLE SIZE DISTRIBUTIONS (WUMBER/M+++3-44)
SAMPLE 1 5
S AFFIX ICING SPRAY TEST BY AFGL FLIGHT E79-03 ON Z1 JAN 79 1 3200ND AVERAGINS INFERAL STARTING TO SERVE STARTING TO SERVE STARTING THE SIZE DISTRIBUTIONS (MUNBER/M**3-44)

SAMPLE

:

SIZE SCATTER   SIZE   COUNTY   SIZE   SIZE   COUNTY   SIZE   SIZE   COUNTY   SIZE   SIZE   COUNTY   SIZE   SIZE   COUNTY   SIZE											A TWY 2 344.				
SCANTER SIZE		154 21	M20 FL14		-	ANCER 298 FT				FLOW	MTE: 18 GP4	DISTAN	ICE : 200 FT	CAL FACTORS	•
2         7.98E+08         23         3.75E+17         434         2.36E+33         ALT (KM)         7         6.93E+08         23         2.43E+17         404         0           b. 97E+09         63         1.38E+17         647         1.68F+11         4.666         4.23E+19         6.73E+17         644         1.77E+17           B. 77E+09         62         1.38E+19         62         7.38E+19         62         7.48E+17         644         1.77E+11           B. 77E+09         1.2         2.51E+17         94.         1.77E+19         6         7.38E+19         62         7.48E+17         94.         1.77E+11           B. 77E+09         1.2         1.3E+19         1.2         1.3E+17         94.         1.77E+19         1.2         1.77E+19         1.77E+11         94.         1.77E+12         94.         1.77E+11         94.         1.77E+12	SIZE	SCATTE PROBE	•	 	STZE (MU)	_	P (#8) 549.5	SIZE (MJ)	SCATTER PROBE	SIZE (W)	240 %a	SIZE	PRECIP	481 4	,
L 2566-09	~	7. 98 E+1		3 3.755+6		2.36E+13	ALT (KH)	•	4000				<b>}</b>		
Part	•	2.26E+	9	3 2.535+0		1.58F+01	4.866		99.4.60	2	2.63E+L/	3		ALT (KM)	
1.22   1.25   1.24   1.65   1.24   1.65   1.24   1.65   1.24   1.65   1.24   1.65   1.24   1.65   1.24   1.65   1.24   1.65   1.24   1.65   1.24   1.65   1.24   1.65   1.24   1.65   1.24   1.65   1.24   1.65   1.24   1.65   1.24   1.65   1.24   1.65   1.24   1.65   1.24   1.65   1.25	•	b. 97E+1	9	1.395+0			•	•	C. 39E+09	*	2.505+1.7	54.7	<b>:</b>	4.86.4	
10   10   10   10   10   10   10   10	•	7.47E+		7.		: -	TEND (C)	۰	7.136+09	62	1.525+17	746	1.77E+01		
2 3.4FF49 122 1.27E+T0 1839 0.	9	4.92E+		2.5		: -			8.23E+09	61	7.085+66	1241		TEMP (C)	
\$ 1.98E-09 147 7.10E-05 1132 0. FPROSTPOINT 14 2.77E-09 142 5.85E-05 133 0. FPROSTPOINT 14 2.77E-09 142 5.85E-05 2132 0. FPROSTPOINT 14 2.77E-09 142 5.85E-05 2132 0. FPROSTPOINT 14 2.77E-09 142 2.75E-06 16. 2.92E-05 2.72E 0. FPROSTPOINT 15 1.93E-09 161 1.15E-05 2.72E 0. FPROSTPOINT 15 1.93E-09 161 1.15E-05 2.72E-09 2.1 1.93E-09 2.1 1.15E-05 2.1 1.03E-09	75	3.635+6		-			6 1 7	91	5. 34E+09	132	3.10£+06	1538		42.2	
\$ 1.4866.49 161 3.386765 2429 0.	*	2.450+1					FD05 400 4 WT	12	3.49E+19	122	1, 3250, 6	1635		•	
2.08E-09	91	1.885.4		-		•	1 00 1 00 L	***	5.77€+09	142	5.8 9E+05	2132		FROSTPOTNT	
1 1.52E+19 201 1.59E+75 1023 0.	61	2. 49E+E					•••	î,	1.396+09	191	2.926+15	545		-28.5	
1.00E0.09 221 0. 332 0. 120.4 20 1.00E0.0 3023 0. Take to the total of	2	1.45E+					19,00	19	2.44E+09	181	1.156+05	2726			
* 7.486.00 241 7.5486.04 3617 0. 14004 22 1.528609 241 1.0386.05 0. 1456.00 241 1.0386.05 341 0. 1456.00 241 1.038	22	1. 80E+				•	16/H) SA .	<b>50</b>	1. 6+E+09	201	6.26€+6+	3023		TAS (H/C)	
\$ 4.45E48 261 4.66E04 3914 0. NT (W/M3) 24 7.23E408 241 3.083E+04 3617 0. NT (W/M3) 26 3.08E408 269 0. 5914 0. NT 2.56E408 269 0. 5914 0. NT 2.56E408 269 0. 4511 0. 4511 0. 4512 0. 4	2	7. 16E+6				: =	******	22	1.226+09	221	1.036+05	1320		120.2	
1.37E+36 287 2.56E+04 4211 4. 93976s.7 26 3.68E+08 263 3. 3914 0. NT 1.22E+08 700 1.32E+14 4510 0. 4211 0. 133 1.52E+08 700 1.32E+14 4510 0. 4211 0. 134 9.53E-02 2.66E-02 2.61E-03 LMC 1.06E-03 2.26E-03 2.05E-03	9.	6. 25F+L		4		: .		<b>5</b> 6	7.235+08	241	3.8 3E+04	3617		•	
1 1.22 E + 08		37643				•	10E/E	26	3.88E+68	263	,	3914	_	11 44441	
9.53E-02 2.446-01 1.625-12 2.61E-01 1.05E-04 50.0. 450E-0 10 1.05E-02 2.446-01 2.20E-01 2.30E-01 2.30E-01 3.0. 450E-01 3.0	; p	2254				•	939765.7	29	1.67E+48	283		121		10 MARCH 1	
9.53E-02 2.646-01 1.625-12 2.61E-01 1.06E-01 2.28E-01 2.32E-09 2 0 19 1.06E-01 19 9.78E-09 2 12.3 HED 0 19 97 346	3			:		•	2 10 4 0 4	30	1,835+68	303		4 50 B			
0 19 116 409 123 LWC 1.00ccu1 2.32E-07 2	Ę	9.53E-L	2	2.4 uč - C.	-	1.625-32	2.615-01	5						TOTALS	
	#E0	19		116		607	123	160 B	1.055-01		7.28E-61 97		2.32E-83 344	2.31E-01	

SAMPLE: 5 AFFI ISING SPRAY TEST BY AFGL
FLISHT E79-DT ON 21 JAN 79 1 SECONO AVERAGING
I VIEDVAL STRATTH-DD125115\*
PARTICLE SIZE DISTRIGUIIONS (NUMBER/M\*\*3-44)
TYPER RAIN SAMPLE 1 5

•	;							
CAL FACTOR:	6 (48) 6 (48)	ALT ((KH)	TEMP (C)	-12.3	FROSTPOINT -28.6	TAS (M/S)	NT (N/H3) 933256.8	TOTALS, 2.23E-01
DISTANCE: 210 FT	PRECIO		::		<b>.</b>	•••		
DISTA	SIZE	119	1547	1538	2132	2726 3823 3326	3617	9
 HZO FLJW RATE! 18 624	C_003	2.98E+17 2.21E+67	1.205+6.7 5.27E+66	1.58E+06	7.42E+05 2.33E+05	8.6 ZE+64 1.2 5E+65 3.4 5E+74	3.936+04 3. 0.	2.23E-01 102
FL34 R	SIZE	6: 4 E E	28.5	122	191	201	260	
	SCATTER PRJBE	7.16E+69 2.53E+09	7.29E+09 8.51E+09	3.406.409	2,026+09	1.676+09 1.366+09	8.46E+08 4.72E+08 2.29E+08	1.11E-01 1.11E-01
6.0 PRESSURE 10 .ST	SIZE	<b>₹</b>		15	* 9 9	20 22 22	9 8 8 8 8 8 8	G OSH
CAL FACTOP:	6*675 (HB) d	ALT (KH) 4.866	TEMP (C)	FROSTBOTHT	-20.5	TAS (M/S) 120.2	NT (N/H3) 1137553.1	701ALS 3,14E-01 114
DISTANCES 200 FT	PRECIA PROME	3.54E+13 5.45E+01		• •		• 0 0		2.*7E-32 423
DISTA	SIZE	333	1241	1835	2726	3023 1320	3914 4211 4538	
M20 FLJW RAIEs 19 GPW	3_0J0 5203E	2,475+67	7.986+60	1.50E+66 9.32E+05	2,326+15	2.19E+65 0. 7.55E+0.	3.176+64	2,866-61
FUHR	S17E (40)	62	112	122	35	291	262 288 308	
	SCATTER PROBE	7.09F+08 2.39E+09 8.07E+09	9.45E+09 5.33E+09	3.12E+09 2.75E+09	2.31E+19 2.27E+19	1.63E+09 1.42E+09 9.44E+08	3.88E+08 2.13E+88 1.93E+88	1.13E-01 19
PRESSUREI 10 25I	SIZE	V1 48 40	40 ea	12	9 B	5 % &	228	L NC NED 0

3 H C	1
Y TEST BY AFGL 1. SECOND AVERAC P.125129* (NU4PE2/N**3-M4)	THE TRACE SAGET
AFFI: ICING SPRAY TEST BY AFGL FLIGHT E79-03 ON 21 JAM 79 1 3ECOMO AVERACIMG INTERNAL STATT**0F125123* PARTICLE SIZE DISTABULIONS (NUMPEX/M**3-MM)	WERTER SECON DISTANCE ON FT CALFACTOR S.S Concerned as not not million to the second streamer one for the
	100
SAMPLE 6 5	
	8.8
¥	CAL FACTORS
FGL D AVERAGI -3-44)	208 FT
AFFT TOTMS SPRAY TEST BY AFGL N. 2. SECOND AVERAGING 1. SECOND AVERAGING TOTAL STATI-00125119-03-44) PARTICLE SIZE DISTRIBUTIONS (MUMBER/M**3-44) TYPES ARIA	DISTANCES
AFFT; TGIMG SPGAY TEST BY 1 DN 21, JAM 79 1 SEC "WIEGHAL START="BRESS119" "ZE DISTRBUILDUS (WUMBER)"	18 CPM
AF#T3 T 3 ON 21 IVT FRVAL IZE DIST	L 34 KATE
IT E79-8	RESSURES 19 PST H20 FL
F. 16#	19 957
£ . 3	SURE
SAMPLES	PRES

S S S S S S S S S S S S S S S S S S S	PRESSURE: 19 PSI H	120 FLX	H20 FL 3# K4TE1 18 GPH	18 GPM	DISTAN	DISTANCE: 208 FT	CAL FACTORE	 PRESSURE: 18 PSI		ECLOW	420 FL3W KATE: 18 6PM		PISTANC	MISTANCE! 208 FT	CAL PACTOR!	:
3218	SCATIFE	215		CDO	SIZE	PRECIP	P (#9)	5175	STATTER	S17E			SIZE	PRECIP	(EE)	
3	P408E	<b>€</b>		360%	(HE)	P2095	549.9	() ()	3408€	9	360℃		(AU)	PPOSE	4.6.7	
~	5. 79£+68		3 2.5	49454	;	3.746+13	ALT (KM)	•	2. 47 F+ i.B	6.1	1.555	2.54	7 (4		ALT (KH)	
•	2.28E+09	•	3 2.5	2.56€+87	3	1.685+91	4.864		9.35E+08	· •	1000	204	4.9		4.867	
•	6 - 85E +05		1.3	75+67	346	1.774.01			3.26F+P9	6	3.185	+ 6.5	946			
•	7.336+69		_	.755+85	1241	•	TEMP (C)	•	3.666+443		4.145+16	914	1241		TEMP (C)	
97	4. 46E+09		m	•0 •E • C 6	1538		-12.3	91	2.146+69			95+	1536	,,	-12.1	
12	3.052+89		•	.882+15	1815			12	1.535+09	-		• 6	1935			
1	2.03E+69		•	7.745+85	2112		FROSTPOINT		1.255+69			5 2	2132		FPOSTPOINT	
16	1.545+69		Ī	125+05	6242	:	20.7	<u>.</u>	1.052+69			+ C 5	044		-21.0	
19	1.916+09		•	76+05	2726	•		97	1.085+89			5.2	272€	٠,		
62	1.18E+89			9E+15	3023		TAS (M/S)	20	6.165+08				1023	•	TAS (M/S)	
25	1.946+09	_			3326		120.1	22	4.346+69		_	*0*	1326	:	120.1	
*2	5.85E+08		,	3E+C+	3517	•		70	2.665+68			**	3617	9.		
52	3.27E+49		•	9500	3914		CEM/NO LN	26	2.365+68		•		3914		NT (N/43)	
62	1.146+00		287 5.7	+9+342*	4211	•	987345.8	25	7.615+07	29.3			4211		54 3022.6	
30	1.675+48		• •	73+32.	4598			30	7. 61E+u7				453.8			
								;							TOTALS	
L	8.556-82		2.7	2.775-61		2.755-12	3.04E-91	SM I	4.52E-02		1.9 %	-61		;	1,936-01	
160 0				113		416		HEO O	119		119	6		6	119	

AFFT2 LOING SPRAY TEST BY AFFL
FLIGHT E79-05 ON 21 JAW 79 1 SECOND AVERASING
[VIEDAL STRATE-OFFS6142\*
PARTICLE SIZE OFFS429/1717/95 (NUM 9624/4\*\*3\*\*44) SAMPLEE 6 AFFI TOTMG SPRAY TEST BY AFFI.

E.IGHT F79-63 ON 21 JAN 79

1 SECOND AVERAGING

LYSEAL STRATF-SF1795139

PARTICLE SIZE RISTARJYLJNS (NUYGZ-749-3-44)

TYDET RAIN SAMPLE 1 5

1 10.0																			
CAL FACTOPS 18.0	658 . 1	ALT CKHS	4. R61		TEMP (C)	-11.2		FeoSTPOINT	-22.2		TAS (M/S)	120.2		NT (N/M3)	1328192.4		TOTALS	4.86E-81	119
DISTANCE 200 FT	PRECIP POORE	1.675+14	ċ		•		0.			9.					: :			1.105-31	, ,
91514	SIZE	4) (4	647	7 16	1241	1538	1835	2132	2429	2726	3023	3320	1617	4 16 2	+211	4508			
420 FLJW RATER 23 GP4	5,043 P3,35	4.425+67	3.052+57	1.742+67	9.324.6	4.155+66	2.506+05	1.33*+06	5.0 56+45	3.7 35+6 5	2.5.5.6465	1.8 SE+F 5	3.835+04	3.385+(4	3.355+74	3.0 uE+C+		3,766-01	115
FL34 RI	\$12£ (10)	23	£ 4	52	8	192	122	142	161	191	271	22.1	245	26.3	7.8.7	333			
	SCATTER PROBE	3. 59E+C8	8.335+08	3.556+49	4 - 93E +09	3.37 E+69	2,195+69	2.80E+03	1.64E+49	1.64E+09	1.01E+09	7.91E+C8	5.635+78	3, 75€+08	1.235+68	1.83E+08		7.526-02	19
ISe CT #idnS52ac	SIZE	~			•••	91	12	: :	16	12	: 5		24	25	28	; <b>2</b> 2		S .	MED 0
8.0																			
CAL FACTOR:	6 (48) 540.7	ALT (KM)	4.857		TEMP (C)	-12.2		FROSTPOINT	-26.9		TAS (M/S)	120.2		N (N/M3)	779895.6		TOTALS	2.67E-01	143
DISTANCE 2"B FT	PRECIP	7.175+13	•	:	•		:					•				•		4,725-32	ž
01574	SIZE (4U)	101	647	716	1241	1538	1835	1132	5459	2726	3023	3320	3617	3914	1124	4538			
M20 FLJW DSTET 15 GPM	3,003 2203E	1.44.6.7	1.835+67	1.196+07	4.365+66	2.325+16	1.35E+65	4.196+65	3.7 22+(5	50+248.5	1.255+63	1.0 35+05	7.65€+64	3.315+64	1.475+64	1.296+04		2.296-61	113
FL)W	3175	23		62	9.2	192	122	1+2	161	141	201	727	142	269	28 ú	100			
	SCATTER PROBE	5. C2E+38	1.775+09	5.25E+1.9	6.35E+C9	3.446.03	2.03E+03	1.9JE+09	1.23E+09	1.425+09	1.12E+89	6. +7E+£8	4.832+68	1.672+08	1.07 € +48	5.37E+C7		6.20E-C2	:
PRESSURE: 10 'SI	S12E (MJ)	N	٠	•	•	97	21	=	16	119	23	22	Ž.	92	92	36		, E	MED 0

1997年 - 1997

9	CAL FACTOR: 18.8	F (MB) 550.2	ALT (KM)	4.863		TEMP (C)	-11.3		FROSTPOINT	-22.3		TAS (M/S)	119.3		NT (N/M*)	1482041.5		TOTALS	4.055-01	115
EST BY AFGL 1 SECOND AVERATING 16145* 1448E2/4*3-44)	DISTANCE: 200 FT	PRECIP PROBF	3.316+93	1.70 €+91		•		•	•	•	ċ		÷						2,255-12	F 0 7
TEST 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8	DISTAN	\$17£ (HJ)	17	647	3 1 6	1241	1538	1835	2132	542	2726	3023	3320	3617	3914	4211	4508			
AFFIZ ICINS SPRAY FEST BY AFGL FLIGHT E79-83 ON 21 JAN 79 1 SECONO AVER INTERNAL STRATI-OFFESTASS PARTICLE SIZE DISTABBLITONS (NUMBER/4003-M4)	H2O FLJW RATE! 23 6PM	5_000 P₹09E	5.4 6E+07	3.905+07	1.52E+L7	9.196+66	5.29E+.6	2.4 EE+66	1,362+66	5.695+05	2.6 JE+05	1.592+05	6.945+64	3.965+6+	4.285+[ 4	4.7 5c+04	3.115+64		3.826-01	==
AFFT3 D3 ON INTERN SIZE DI	FLOW R	S12E	23	<b>F</b> †	62	9.2	132	122	142	161	141	201	221	747	26 1	283	340			
FLIGHT E79- Particle		SCATTER PROBE	2. L7E+GB	5.52E+G8	1.86E+69	2.55E+09	1.826+03	1. 11E+39	1.16€+09	9.175+68	9.21E+08	6.67E+03	6.21E+8A	2.69E+08	1.616+68	3.84E+07	3.84E+C7		4.136-02	61
SAMPLE 1 6	PRESSURE:	10H)	~	*	•	70	7	77	#	15	<b>£</b>	20	22	<b>†</b> 2	56	28	33		CHJ	MED 19
IN G	CAL FACTOR: 18.0 PRESSURE: 10 PSI	P (MM) 550.1	ALT (KM)	4.851		TEMP (C)	-11.1		FROSTPOINT	-22.2		TAS (H/S)	119.7		N4 (N/#3)	126789.7		TOTALS	3-10E-01	175
TEST BY AFGL 1 SECOND AVERAGING 12643+ (NUMBER/4+=3-NM)	DISTANCE: 200 FT	PRECTP PROBE	1.65E+34	•	•				9.	•	•		•	•			•		1.337-31	404
- 25	DISTAN	\$12E	3	6+7	716	1241	1538	1835	2112	2429	2726	3023	3320	3617	3916	4211	459.8			
~ ~ 5 2 2	ATE: 23 GPM	CL 010	3.005+57	2.815+67	8.345466	5.475+05	1.345+16	1.545+66	5.18E+C5	2,145+05	8.55E+64	9.435+[ +	1.39=+65		1.655+04	3.235+04	2.35=+1.4		2.0%-61	1113
AFFT. 1 STE DI	HZO FLIW RATE: 23	S17E ( 10)	23	P)	629		102	122	142	161	191	29.1	221	T 7.7	263	243	311	:		
AFFT: ICING FLIGHT E79-03 ON 21 JAN I HTERVAL STA PARTICLE SIZE DISTRIBLI		SCATTER PROBE	1.685+08	6.196+08	1,656+09	2.385+09	1.77E+89	1.346+69	1.035+39	8.175+88	8.18F+BA	4-74F+BB	3.75E+08	2.835+08	1.535408	6.095+57	9.946+07		7.796-02	61
SAMPLES	PRESSURE: 18 PSI	S I ZE (MU)	•			•	9	2	; ;	16	7	2 :	22	2	, <b>4</b>	2 6	5	•	967	HED 1

The state of the s

CAL FACTOR: 16.0 TOTALS 5.15E-91 127 FCOSTODINT -22.3 TAS (M/S) 119.1 ALT (KP) TEMP (C) NT (N/M3) 1688359.4 550.1 DISTANCES 200 FT 6.27E+13 3.4JE+31 PRECIP PRORE SIZE (4J) CAL FACTOP: 10.0 PRESSURE: 19 PSI M20 FLOW RATE: 23 GPM 24-91 24 2,003 22,095 SCATTER PROSE F00STP01NT -22.3 ALT (KM) 4.860 TEMP (C) -11.3 TAS (M/S) NT (N/M3) 1428249.4 P (M8) 550.? AFFIZ ICING SPRAY TEST BY AFGL
F\_ISHT E79-03 ON 21 JAN 79 1 SECOND AVERAGING
I HFCPAL STATI\*0312614\*
PARTICLE SITE DESFERBUTIONS (NUMBER/W\*\*3-44) 1.50E+13 1.59E+11 DISTANCES 209 FT PRESIP PROSE SIZE (MD) FLIN RATE: 23 GP4 3\_005 P209E 517E 420 SCATTER 2278E PRESSURFI 10 PST 

TOTALS 3.63E-01

1.05E-02 411

7.52E-61 102

3,21E-02 18

CONTRACTOR OF THE PARTY OF THE

1FFTJ IOINS SPRY TEST BY AFGL
F\_IGHT E79-n3 ON 21 JAN 73 1 SECOND AVERAGING
I HERVAL STRATI\*\*\*0126145\*
PAPTIGLE SIZE DISFRAUJIONS (NUMBEZ/M\*\*3-44)
TYPE: RAIN

SAMPLE

SAMPLES

AFFT3 ICING SPRAY TEST BY AFGL F_IGHT E79-D3 ON 21 JAN 79 1 SECNO AVERAGING TYTERVAL START+*ORT26149* PARTICLE SIZE DISTREANTONS (NUMBER/M++3-MM)
•
SAMPLE
6 FLIGHT E79-03 ON 21 JAN 79 1 SECOND AVERAGING Thtermal Statts of 25 647* Partole Size distributions (NUMB24/4**3-MM) Type: Rain
LE I
SAMP

111.1																		
CAL FACTOR: 18.8	P (#8) 550.2	ALT (KH)	4.866		TEMP (C)	-11.6		FROSTPOINT	-22.3		TAS (M/S)	118.7		NT (N/H3)	1911646.0		TOTALS	5.17E-01 115
DISTANCE: 200 FT	PRECIP	2.65E+03	1.715+01	•	1.895+11	:	•	:			•					•		2.38E-02 439
NYLSIO	SIZE (MD)	101	2 49	776	1541	1538	1875	21.32	5429	2726	1023	3326	191	161	4211	4 50 8		
RATER 23 GPM	2.000 2.09E	7.28E+07	5.045+67	2.475+07	1.215+67	6.555+66	2.36E+86	1.6 CE+G 5	6.73E+65	3.782+65	2.54E+05	1.4uE+05	1.945+05	9-116+64	3.395+64	2.26504		4.93E-61 110
FL 34	STZE (MU)	23	£ 4	62	95	102	122	145	161	191	291	221	145	363	283	330		
8 PSI 420	SCATTER PROBE	5.16E+08	1.30E+69	4.136+03	5,76E+09	3.91E+09	2.745+09	2.236+09	1.67E+09	2.065+49	1.29E+63	1.09E+09	5.94E+08	3.65E+08	1,315+08	2.16E+08		8.89E-02 19
PRESSURE: 10 PSI	SIZE (HU)	~		•	•	91	12	<b>*1</b>	16	97	2:	22	<b>\$</b> 2	96	<b>5</b> 3	30		LWC MFD D
CAL FACTOR: 18.0	P (HB) 550.2	ALT (KH)	4.850		TEMP (C)	-11.5		FROSTPOINT	-22. 3		TAS (H/S)	118.7		NT (N/H3)	2139007.6		TOTALS	8.85E-01 169
DISTANCE: 200 FT	PRCTP PROBE	4.126+34	•		•				•	-		•	•	•	3.			2.71E-11 404
DISTA	S12E (NJ)	4	647	446	1241	1538	1835	2132	2429	2726	3023	3326	3617	4161	4211	4536		
H2O FLJW RATES 23 GPM	CL 0UD 0209E	7.395+07	5.335+67	2.5 8E+G7	1.285+67	7.16E+16	4.82E+86	1.7 35+66	9.42E+05	2,315+05	1.305+15	1.7 45+65	3.1 0E+.5	1.502+05	3.23E+6+	7.37E+C		6.15E-01 120
FL34 R	STZE (*U)	23	£ #	9	0	102	122	142	191	181	27.1	221	145	250	28.3	330	•	
	SCATTER PROBE	3.85€+68	1. 31E+09	4.18E+09	5.34E+09	3,90€+49	2.57E+09	1.995+69	1. 66E+09	1.62E+63	1.295+09	1. 02E+09	5.52E+08	3. 65E+08	6.93E+u7	1.77E+08		8,125-02 19
PRESSURE 10 PSI	SIZE	~	•	••	•	10	12	<b>*</b>	91	2	97	22	2	26	28	40	:	LWC NED 0

0.0																		
CAL FACTOR: 10.0	P (#A)	550.1	ALT (KM)	4.861		TEMP (C)	-11.6		FROSTPOINT	-22.3		TAS (M/S)	118.2		NT (N/H3)	1750943.6		Thrais
DISTANCE: 200 FT	PRECIP	PROBE	3.275+14	:	1.80E+91					:	•		•	•			<b>:</b>	
DISTAN	SIZE	(A)	7 (7	647	440	1541	1538	1835	2132	2429	2726	3023	3320	3617	3914	4211	4508	
RATEL 23 GPM	3,003	94.08E	3.435467	4.32E+07	2.18E+67	1.16E+67	5.845+66	3.16€+05	1.3 4E+ u 6	9.65E+15	4.675+65	6.375+04	7.30=+64	3.89€+64	5.0 4E+C4	6.53E+04	5.855+04	
FLOW	SIZE	SEC.	23	F 7	9	82	705	12.5	142	161	181	201	122	241	160	281	300	
02H ISc 01	SCATTER	3 KOBE	3.25F+08	1. 32E+09	4.14E+09	5.32E+09	3.67 €+49	2.65E+49	2-115-09	1.88E+09	1.84E+09	1.035+09	9,136+08	6,35E+08	3.335+08	1.47E+CR	1.735+08	
PRESSUPER 10 PSI	SIZE	(HI)	~	.*	ď	•	2	21	==	16	13	20	22	42	92	82	30	
CAL FACTOR! 10.0	P (48)	450.1	ALT (KM)	4.859		TEMP (C)	-11.6		FROSTPOINT	-22.3		TAS (M/S)	118.7		NT CN/H3)	1931673.2		ToTAL C
DISTANCES 200 FT	PRESIP	Becad	3,155+34	•	•		.:			•	•		•	•	•	•	•	
01574	SIZE	CHC)	4.3	249	746	1241	1538	1835	2132	5 62 9	2726	3023	332v	3617	3914	4211	4598	
HZO FLJW RATER 23 GP4	3, 343	3€0≥€	6.582+67	4.905+67	2.625+67	1.28E+07	5.772+66	2.3 40+05	1.932+06	3.515+05	3.7 BE + 6 5	1.275+05	1,155+05	7.7 35+6+	6.392+64	6.336464	5.546+04	
FLJ# R\$	SIZE	Ş	23	4.3	29	8	102	122	142	161	191	201	22.1	247	26.9	200	30.9	•
	SCATTER	PROBE	5.246+08	1.735+09	5. 35 E+09	6.93E+09	4.96E+09	3.05E+69	3.2+5+43	1.936+69	2.27 €+49	1.43E+09	1.26E+89	8.71E+08	4.74E+08	2.89E+08	2.62E+68	
PRESSURE 10 PST	3715	600	7			•	3	12	*	91	91	2	27	2	92	28	<b>F</b>	}

2-175-31

4.36E-01 112

LWC 8.21E-02 MED D 19

2.07E-01

5.3 CE-01 112

LW 1.09E-01 MED 0 20 AFFT ICING SPBAY TEST BY AFFL
LIGHT E79-04 ON 21 JAN 73 1 SECOND AVERAGING
LYFSTAL STRITE-30126853\*
PARTICLE SIZE OLSFARSTHONS (NUMBER/M\*\*3-M\*)
TYPE: RAIN

SAMPLE 8 6

AFET, ICING SPOAV TEST BY AFGL 1 SECOND AL JAN 79 1 SECOND AVERAGING 1 HTERAL STATIFFODIZES 48\* PARTICLE SIZE DISFLEGUTIONS (NUMBER/HW-3-HY) TYPET ARIN

SAMPLE: 6

AFFI: ISTMG SPRAY TEST BY AFGL. OR ON 21 JAN 79 15:3000 AVERAGING INTERNAL STATION 16:5559 SIZE DISTALATIONS (NUMPER/MHT)-NUM	DW RATE: 23 GPM DISTANCE: 248 FT CAL FACTOR: 1	STZE C_0U3 SIZE DRECIP P (MR) (MJ) PROSE (MJ) PROSE 558.1	23 5.622+17 404 4.76E+33 ALT (KM)	5.12E+L7 547 3.42E+11	944 0.	1.225+17 1241 G. TEM	6.245.06	122 3.41E+E6 1935 C.	1.0 mg	7.30±+€5 2726 0.	2.87E+(> 3023 0. TAS		7517 0.	6.775+6.4	3.91m+04 4500 0.		3.275-32	114 409 411	TEFT TOTNG SPRAY TEST BY AFGL 05 ON 21 JAN 79 1 SPCOND AVERASING INTEREM STATISTICATES SA SIZE OLSTATIONS (NUMBER/MSS-MM)	FLOW RATER 23 GOW DISTANCER 200 FT CAL FACTOWE	(aw) d alcabd 3218 cnono 5418	100 Y	-	1.A7F+F7 944 0.	1,315+67 1241	4.785+66		7-326+65 2499 3-		1.412+(5 6925 U. 1.42 1.405+(5 3426 D.	3.895+04 3617 0.	7162	7.53E+04 453E 0.	*** 2E - 6.1
SAMPLE: 6 F.IGHT E79-0* ON INTER	PRESSURE: 10 PSI H20 FLJW	SIZE SCATTER ST	2 7,515+18	60+325-1		8.25E+u9	5. 86E+09	12 3.62E+09	0.010.0	2.33F+63	1.75E+09	1.636+.9	9.635+08	6.045+68	23 - 10 CH		1.23	MEN D 20	SAMPLF1 6 F.15HT E79-05 ON INTER INTER PARTICLE SIZE 0	BRESSURE# 19 SI HZO FLO	SIZE SCATTEP S	-KJ85	4.648408	1.355469	5,235409	3.75€+03	12 2,346,69	1.295+09	1.57E+09	1.146+09	5. 96E+08		1.556+48	7.695-02
51NG	CAL FACTOR: 10.0	P (48) 556.1	ALT (KM)	4.00	•	TEMP (")	-11.6		1 4 0 5 1 POLIN	· • 3 ·	TAS (H/S)	11R. 3		(PI/X) FX	195905/•3	TOTALS	5.78E-01	114	SING	. FAL FACTOD: 10.0	(6k) a	0.066	ALT (KM)	4.85	TEMP (C)	-11.7	Facetonea	455-		118.7	4 •	NT (N/M3)	0.603+067	TOTALS 5.07E-01
NG FPRAY TEST BY AFGL AN 79 1 \$5.20ND AVERAGING TRATI-PORTOSEST BUITOWS (MUMPER/Y***3-MM) ARIN	DISTANCES 207 FT	SIZE PRECIP	434 4.245493	٠.					E) (	2726 0.			1617 0.		4211 U.	• • • • • • • • • • • • • • • • • • • •	2,915-12	664	TI TOING SPRAY TEST BY AFGL V Z1 JAN 79 1 SECOND AVERSING ERVAL START #101766 52* TISELEDITIONS (4UMFES/40*3-44) TVSE RAIN	DISTANCER 209 FT	SIZE PRECIO		-		1241 0.			2429 0.	2726 0.	3023 0.			4511 to	
	FLOW RATE: 23 GP4	SIZE CLOUS					132 7.415+65	122 3.415+66							24) 4.962+(4		5.495-[1	110		FL 3W PATER 23 504	SIZE 3.0J9						122 3.526+65					268 7	400	
SAMPLE: 6 FLIGHT E79-83 OW 21. 14FRWAL. PARTICLE SIZE OISTS	PRESSURE: 10 PSI H20 F	SIZE SCATTER		2 125409				12 3.47E+09						5.83E+	2.47E+6	30 3.735+05	LWC 1.26E-01	MED D 20	SAMPLE: 6 F.IGHT F79-63 ON 21 ATERAL PARTICLE SIZE TYPE	PPESSURE: 10 9SI M20 F	SIZE SCAFFER				40+1163-7 B				15 2.546+03			26 5,26E+08	25 Z 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	

10.0

19.0

9	CAL FACTORE	P (MB) 558.5		1 ( FR )	£. 676			711.	CANCTENT	1 100	• • • •	TAS (M/S)			NT (NVM3)	2087969.5		TOTALS	6.73E-01	129		ي	2		CAL FACTOR :	P (#8) 556.4	ALT (KM)	4.857		TEMP (C)		FROSTPOINT	-51.4		(3/H) S41	7.03.	NT (MVM3)	3221161.8	10741	9.56	121
AFFIZ ICING SPRAY TEST BY AFGL 3 NW 21 JAW 79 1 SECOMO AVERAGING INTERAL STATITED 123159* IZE OUSTRATING NUMBER/M**3-MM) IYPER RAIN	DISTANCE: 200 FT	PQE/1P PQ08E		20000	D. 20C + 3I	•	•	•			; é								5.02E-32	419	į	IV AFSL FOWD AV:PACTN		PARTICLE SIZE DISTRIBUTIONS (NUMBER/H***-44)	TISTANCE 290 FT	 PRECIP PROJE	3.566+13	3.296+01	1.735+51				•		•	: 6			•	5.99E-12	114
1 3 1 3 1029159 (NUMBE	01514	S12E (MJ)		,	ě		10.31	12.00	6246	2420	2726	3003	3320	3617	4914	4211	4508					1651	129159	CNU 49	TSTA	STZE (MJ)	+ 0+	2 + 9	*	154	1835	2132	6242	2726	2000	3617	3914	4211	900		
AFFT: ICING SPRAY TEST BY AFGL.  -03 NW 21 JAW 79 1 SECOND ANSE INTERNAL STARTING DESASS.  SIZE OUSTRUNIONS (NUMPER/Mees-WA)	HZO FLOW RATER 32 GPM	5, 000 P2085		1010000	7 10 10 10 10 10 10 10 10 10 10 10 10 10	11414	79.202.4	94146	2.1524.6	7.2554.5	6.7 17.66	2.7 4.5 4.5	2.11E+05	1.965+05	1.215+5	7.92E+C4	5.41E+64		6.23c-f1	123		AFFIC ICING SPRAY TEST BY AFGL	AL ST92T1401	ISTRIBUTIONS TYPER RAIN	420 FLOW RATER 32 GP4	00000 00000	1.165+60	4-165-07	3.7 4E+C 4	1.1964.7	5.795+06	2.33€+€6	1.45=+06	7.285455	1.7 BF4 F5	7-175-0+	1.0 4E+05	1.450.465	4.14.22.206	8.34E-01	
4FFT 103 04 1415R SIZE 0	FLOW R	\$175 (Ab)	i	9 P	î	2.5		127	1 6	4	-	233	121	241	260	230	333					1 1 4 4 0 ·	141	SITE	FL 34 R	S17E (40)	23	<b>~</b> ;	7:	1 2 2	152	245	161	191	3 2	24.1	760	280	2		
AFFT FLIGHT E79+03 ON INTER PARTICLE SIZE O		SCATTER PROBE			2001000	211261	2.076440	24.1.2.	1.075410	5, 796 460	6.375+69	3.685+9	3, 755+69	2.025+19	2,125+69	1.07E+39	1,96E+09		3.835-01	21		F. IGHT F79.		PARTICLE		SCATTER PROBE	1.66 - +69	5.65E+03	1.44641	2, 19E+10	1.42E+10	1.22E+10	6. 20E+09	5.916+69	3. 365+04	2,21E+09	2.27E+09	1.17E+83	6 6 2 6 7 6 7	4.08E-01	;
SAMPLE 1 7	PRESSUKE: 10 PSI	SIZE (MU)	•	ت ق	• •	n •	٠.	- 1	1 -		=	20	22	342	<b>5</b> 9	<b>\$</b> 2	30	:	2	MED D		SAMPLE :			PRESSURE: 10 PSI	17H) 32IS	2	•	•	10	12	1,4	16	9 7	22	35	97	5 P	3	LHC	3
S N	CAL FACTOR: 18.8	550.0	ALT CKHI	2.4		1540 (7)	11.7		TMIOSISSES	-22.4		TAS (M/S)	110.4		NT (N/HP)	1565427.4		TOTALS	ED-300 - 5	129		INC			CAL FACTOR: 10.0	0.048 0.048	ALT (KM)	4. A64	(7)	-11.6	1	FROSTPOINT	4.22-	145 (4/5)			NT (N/H3)	1531794.1	TOTALS	5.735-01	<b>?</b>
MS SPAAV TEST BV AFGL AM 79 1 25:20MD AVERASING TARTI-GFF126155* BJTTOMS (NUMPER/4++++44) RAIN	DISTANCE: 200 FT	PRECTP	4 46+434		•											;			31-166-6	3 2 3		1 SECOND AVERAGING		RUIIONS (NUMBER/MRF3-44)	DISTANCER 209 FF	PRESID	1.746+34		16.4.6.7			<b>.</b>		; e	::	:		•	:	1.146-01	) 
V TEST 1 3 P126155 (NUMPE	PISIC	S12F (MJ)	787	1 4	6	. 24.	15.1	4 4 5	2132	242	2726	1923	3426	3617	1314	4211	453.8						C 1261 55	(NU48E	01514	\$12E (40)	7 07	6	125	1588	1035	2132	6242	3123	3326	3617	3914	4211 4503			
AFFT3 ICING SP4A ON 21 JAN 79 HERVAL STATI+0 ZE DISTAIBJITONS TYPE! RAIN	ATE: 23 6P4	5,000 P205	7.762437	7 14 E E		20404		2.7956.5	1.315416	9-185+15	4.376+15	1.912+55		3.996+64			2.515+6+		4.505-51	111			VAL STARTI-00126155	ISTATOUTOUS TYPE: RAIN	ATE: 23 624	5,005 7203E	*.71E+67	3.7 2E+C7	4 14 2 4 7 6 .	6. 4.9E+0.5	1.336+05	1.34E+[6					-	104U07*M		4.58E-01	Ì
AFFT3 IGIN 1-83 O4 21 JA INTERVAL ST SIZE DISTATE	HZO FLJW RATES	S12E (40)	24	4			102	122	142	161	191	1,1	221	241	160	290						-03 3N	1 47 3.6	SIZE	HZO FL 3W RAT	STZE ( 10)	86	£ 2	. 4	192	12.5	145		200	221	7	563	700	•		
AFFT ICE F.IGHT E79-83 ON 21. J I AFFWAL S PARTICLE SIZE DISTAT		SCATTER PROBE	T. 565 4 A	245	7. 865 490	E. 875 400	T. 16F+09	2.256+89	1.62E+09	1. 55E+69	1.76E+09	1.23E+89	7.73E+08	6.11 E+38	2.9.E+68	1.93E+08	1.15E+08		70-1460)	î		F.IGHT E79		PARTICLE SIZE DISTAT		SCATTER >ROBE	4.63E+68	1.555.489	4.4264B9	3.32E+89	2.13E+69	1.685+69	1.055.09	9.81E+8A	6. A 7E+68	6.646+08	3.55E+68	1.001E+00		7.53E-02 19	
SAMPLE 8 6	PRESSURE: 10 PSI	S725 (M)	•		• •	•	97	12	1 4	\$	3	20	22	<b>3</b> .	\$	\$2	30	•			2				PRESSURE: 10 PSI	312E (NO)	~		n <b>«</b>	· =	25	#		2	22	12	92	82	3		

14.1

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92192443	FT CAL FACTORS 14.0	P (MB) 554.1			31 4.861		LEMP (C)	-11.6		NIDA:SDC -	-619-	111	P P C T	163.3	12/27 12			TOTALS	1.21		epastws 4)	FT CAL FACTOP: 14.8	9		ALT	11 4-861	TENP (C)	-11.7	THE STATE OF THE S	2101-101-101-101-101-101-101-101-101-101		14S (M/S)		NT (N/H3)	3933991.2	197 4.18	સં	
AFFT: ICING SPRAY TEST BY AFGL-03 ON 21 JAN 79 15 SECOND AVERAGING INTERAL SATURDES ON THE TOTAL BUILDING INUMERATHRES AND TOTAL SAIN	OTSTANCE! 208 FT	ZE PRECIP U) PROPE		404 / 50E+13				36	•		•••	2022						•	5.075-12	104	ST BV AFGL 1 iecond Averasing 1864-744-3-44)	JISTANCER 200 FF		360ad (0	484 1.186+34	47 8.23E+31			43	.0							8,12E-02	
144 TE		\$12E (MU)				<b>.</b>								2	ğ						AV TES 106 129 IS CHUI		77	(40)	¥.	ě	12.	15		1		3823	9	39	1121	•		
AFT: ICING SPRAY TEST BY AFGL ON 21 AM 79 1 SECOND A VIERMAL STATE OBSESSORS TO DISTABULTOWS (MUMREA/ME**) TYPES AAIM	H20 FLJH RATE! 32 GPM	% 000 %		1.625+00	7.5 BE+07	** 97E+C7	2.39E+67	1,290+67	7.87E+16	3.65E+CD	100000000000000000000000000000000000000	1.116.60		7 2654 5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4 4 05 45 5	7.64745		1.166+60	123	AFFT2 TOING SPRAY TEST BY AFFGL ON 21 JAN 79 1 1 %ESOND A HTERVAL START#OPH295G4* TE DISTARBUTIONS (MUNER/H**3~ TYDE: RAIM	420 FLJW RATER 32 GP4	200	9409E	1.366+68	9.445+87	2.526+07	1.22E+07	6.945466	1.35E+10	1.156+08	3.675+05	3.7 4E+05	2,366+65	1.09.10	7.34E+0+	1.156+60	
AFFT; 03 ON INTERN	FL)# R	S17E (40)	;	2	<b>1</b>	9	2 9	102	152	7.5	161	5	2	5 .		9 6		;			4FFT; 03 04 1472R1 SIZE DI	FLJWR	2172	(A)	8.2	, t	8 0	707	12.3	161	181	207	26.1	260	288	200		
AFFT FLIGHT E79-03 ON INTER PARTICLE SIZE D	02H 1Sc 6T	SCATTER PROBE		I • 09E + 09	6.47E+09	1.5%E+10	1.85E+10	1.45E+10	8. 44E+69	7.60 - 109	かるかはかしゅの	40° C	60.000	504367.7	6941644	1013E409	0.686408		2.42E-61	20	AFFT3 ITING SPRAY TEST BY AFFL F.IGHT E79-D3 ON 21 JAN 79 1 SECOND AVER I AFRWAL STARTFORIZGIGG* PARTICLE SITE DISTRIBUTIONS (MUNBER/H+++3-M4)		6147750	PROBE	1.966+09	6.596+89	2.215+10	1.746+10	9.976+09	4.518+09	4.37E+83	2.745+89	1.68F+09	1 · 65E+09	8.85E+88	1.55E+09	2.99E-01	
SAMPLET 7	PRESSURE 1	S175 (MJ)	•	4	٠ ح	.0		9	12	*1	9 .	P (	3 6	22	* * *	8 6	G <b>F</b>	3	SM T	HED D	SAMPLE 1 7	PRESSURE: 10 "ST	C17:	(FH)	N	<b>4</b> 4	0 40	61	21 ;	97	1.5	3 53	3.2	<b>5</b> 8	<b>8</b> 2	39	LWC MEO D	
NT.	CAL FACTOR: 14.0	5.055 550.2		AL CKAP	4.860	:	LEME (C)	-11.8		FROSIPOIN	-(11.2		16/17 641	163.5	120000		0.00	TOTALS	1.456+00	157	INS	CAL FACTOP! 14.8	10%) 0	550.1	ALT (KH)	4.851	TEMP (C)	-11.9	+200400	-21.5		145 (M/S)		NT (N/H3)	3500616.5	Torais	1.075+60	
AV TEST BY AFGL 1 SECOND AVERAGING PC129101* S (AUM 852/H**3-M4)	DISTANCE: 250 FT	340£d a1538d		6.155.14	:	•	•		•		•	•	•	•	•	• •	•	•	4.94E-31	704	AV TEST BY AFSL 1 SECNN AVERATING 10129102* 15 (NUMMER/M**3-44)	DISTANCE: 248 FT	00000	50024	7.555+13	1.64E+31	•			• es	•		: :	0.		•	5.10f-32 406	
1 3 E( 10 BE ( 10 BE)( 10 BE ( 10 BE)( 10 BE ( 10 BE)(	OISTA	SIZE (MJ)		3	647	ż	1241	1538	1135	2132	24.	2726	200	3326		160	1 2 2 1				TEST 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	DISTA	2676	31C (A)	764	, 6	1241	1538	1935	2429	272€	3023	3617	1914	4211	4 20 6		
AFFT: TOTMS SPRAY ON 21 JAN 79 VIEWAL STATISHED ZE DISTATEUTIONS TYPE: RAIN	FLIN RATEL 32 GPM	0,043 2,043		1.1 35+0 6	8.1 SE+C7	4.125+67	2,35€+€7	1.375+67	6.775065	* 2 3E + C 5	1.34546	9.775413	01411	C 9 4 11 4 C O	(45124C)	1073745	20110111111111111111111111111111111111	79.10.707	1.145460	91	AFFT. ISTNG SPRAYON ZI JAN 73 HTEPJAL STARTI+ST TO DISTATORY	TE1 32 GPM	;	3605d	1.352+68	8. 1E+67	2-145+67	1.236+07	6.185406	1.386+04	7.525+05	4.976+55	1.125+65	1.305+05	1.72E+35	1.145+65	1.32E+Cu 120	
AFFTS 3 ON INTERV 125 DE	L'S H PA	\$17E (10)		2 3	t m	9	45	19.2	153	14.2	9	5	10,	122	7	9		?			18 08 1 17594 1 17594	HZO FLOW MAT	24.40	355	23	* *	9 60	107	123	161	181	232	261	250	290	30		
AFFT: ICLMS SPR FLIGHT E79-C3 ON 21 JAN 79 INTERAL STATITE PARTICLE SIZE DISTABULION IYPER RAIN	PSI H20	SCATTER PROBE		1.64 E+03	5.6dE+u3	1,436410	2,276+13	2.15E+10	1.396+19	1, 12E+1J	5. 69E+19	5.77E+09	3,045,409	3.01E+69	1.8/E+89	1.522.09	1.04.40.4	1.07	3. 61£ = 4.	202	AFFT) TOTMG SPT F_ISHT E79-03 ON 21 JAN 73 I HTSPAM, SARRTH PARTICLE SITY DISTARATH I POST RAIN		0.47760	38000	1.09E+03	6.03E+09	1. 25E+10	1.525+10	9.535.+09	6. 18F+09	4.25E+83	2.546+03	1.536+09	1.52E+09	7.945+86	1.185+09	2.68E-81 28	
SAMPLE & 7	PRESSURE1 10	SIZE (NI)		~	*	٠	•	e i	12	<b>1</b>	16	19	2	22	₹.	8 :	5 6	2	28.	HED D	SAMPLE: 7	PRESSUPE: 10 5SI	11 14 14	(PA)	٧.		o ••	· a	12	<u>.</u> 5	9	<b>ર</b> :	7,7	\$2	58	30	NEO O	

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FILENT E79-83 ON 21 JAN 79 1 SECOND AVERAGING INTERAL STATIODISSING FORTICLE SIZE DUSTRUNTONS (NUM BERNAMS)
SAMPLES 7
PLIGNT E79-03 ON 21 JAN 79 1 SECOND AVERAGING INTERNAL STATION 21 JAN 79 1 SECOND AVERAGING INTERNAL STATION 29105" PARTICLE SIZE DISTRIBUTIONS (NUMBER/NP*3-M4)
5
SAMPLE

•	1, 24 P	HZO FLOM RATE: 32 GPM	015TA	DISTANCEL 250 FT SIZE PRECIP	CAL FACTOP: 14.0 P (MB)	PRESSURFI 18 PST	ů	S FLUN 6	HZO FLJW KATE! 32 GPM	91214 S125	DISTANCE 200 FT SIZE PRECIP	CAL FACTOP: 14.8
	Ĵ	24.09E	9	PRJBE	550.1	(MC)	PROBE	Ę	9 0 9 E	(£	PR09E	550.1
	23	1,325+85	4 (*	1.135+14	ALT (KH)	~	1,856+09	23	9.315+67	4.34	7.296+43	ALT (KH)
	E 4	7.5PE+07	647	6.53E+31	4.861	*	5.73E+09	4	7.6 TE + £ 7	647	1.655+01	4.863
	62	_	446	•		۰,0	1,346+10	62	3.582+17	716		
	3.3		1241	.;	TEMP (F)	•	1.64E+10	24	2.005+07	1241		TEMP (C)
	10.2		1538	;	-11.8	10	1.21E+18	102	1.18E+07	1538		-11.7
	123		1315			21	6.92E+89	122	5.65E+f6	1035	•	
	142	2,335+55	2132	ς.	FPOSTPOTMT	*	5,56€+09	145	3.165+16	2132		FROSTPOINT
	151		5424	۔	-21.2	91	2, 81F+89	161	1.775+66	2429		-26.9
	191		2726	•		19	2.93E+03	181	1.125+66	2726	•	
	201		3323	ŕ	1AS (4/S)	20	2,21E+09	291	3.875+05	3323	:	TAS (M/S)
	120		3320		122.9	22	1.81E+19	22.1	2,365+65	1320		122.8
	741	•	1617	•		72	1,10E+09	241	3.755+05	3617		
	263		3914		NT (N/F3)	26	1.075+09	260	2.448465	3914		NT (N/43)
	255	_	4211	;	1255889.0	2	6.11E+03	58.7	1.596+65	4212		3111573.1
	300	u,	4578	•		8	9.94E+118	30	90.45+64	4508		
					TOTALS							TOTALS
		3.735-61		7.485-12	1.05 - +00	ر <del>بر</del>	2.02E-01		9.975-11		4.86E-12	1.04E+00
		121		-	129	E30	20		126		4.65	130

AFFT3 TOLMG SPRAY TEST BY AFGL
FLIGHT F79-03 ON 21.3H 79 1.3ECONN AVERAGING
INTEGVAL STATF\*0E1291.5\*
PARTICLE SIZE DISYLEUTTOWS INUMMER/H\*\*3-44)
TYPE: RAIN

SAMPLE 1 7

CAL FACTORE 16.8	64.)	920.0	ALT (KH)	F-863		TEMP (C)	-11.5	<u>.</u>	FROSTPOINT	1.50		TAS (M/S)	122.5		MT (N/M3)	3122272.6		TOTALS	1.825+00	1.1
DISTANCER 208 FT	985019	PROBE	7.356+13	1.65E+01		;	•	-						: -					4.98E-32	9 11 4
01574	SIZE	()	404	647	776	1241	1538	1835	2132	2429	2726	3823	3324	3617	3914	4211	459.8			
420 FLJW RATES 32 GP4	2,043	P-109E	3.12E+87	7.4354.7	3,356+07	2.122+67	1.02E+#7	5.352+86	3.8 1E+65	1.515+06	8.455445	3.595+05	4.395+115	3.766+05	2.46E+45	1.515+65	9.546+04		9.725-01	921
FL 34 R	3115	Ē	23	*	9	83	102	122	44.2	161	191	23.1	221	24.1	26.0	980	30 0			
	SCATTER	P418E	1. 56 £+09	5, 15F+09	1,275+10	1.52E+10	1.05E+10	6.37€+69	5. #9E+09	3,205+09	7.16E+09	2,146+03	2.04E+89	1.285+09	1.065+09	4.56E+08	8.146+08		1.995-01	2
PRESSURER 10 "SI	\$125	(AR)	N	3	9	•	iT	12	31	16	1.0	59	22	12	25	\$	300		2 0	
CAL FACTOR: 14.0	(dm) a	550+1	ALT (KH)	4.861		TEMP (C)	-11.8		FPOSTFOINT	-21.1		TAS (M/S)	123.0		NT (N/H3)	3449228.5		TOTALS	1.126+00	121
DISTANCER 200 FT	d153 <b>d</b> d	PRJAE	6.385+33	1.558+11	j	•		•			9.		9.						4.27E-02	9
915TA	SIZE	Ŝ	4.4	6+7	776	1247	1534	1835	2132	2429	2726	3023	3356	3617	3914	4211	4538			
HZO FLOW RATES 72 GOY	3,003	3€0≥€	1.295+69	9.145+47	1.3 AE+ 6.7	2.1.5E+67	1.265+07	6.51 + 66	3.555+16	1.072+65	1.216+66	6.735+05	5.396+05	1.562+62	1.402+05	1.305+15	8.15=+04		1.3/6+60	797
FLOW RA	3175	₽	5.3	*	29	6.	132	122	142	tó t	191	201	221	241	26.9	293	130			
	STATTER	PROME	1.615.69	6.30€+99	1.53E+10	2.115+18	1.87E+10	1.186+10	9, 28E+89	6.50E+09	4.536+19	2.79E+69	2,69E+89	1.795+69	1.73E+09	7.29E+08	1.47 €+09		30 835 - 61	
PRESSUPER 10 PSI	271S	(40)	RI.		.0	•	97	75	#	16	£.7	2	22	2	92	₹	=	1		

A CONTRACTOR OF THE PARTY OF TH

SAMPLE 1

AFFT. ICING SPRAY TEST BY AFSL FLISHT E79-03 ON 21 JAN 79 1 SECOND AVERAGING I AFKTAL STRATE-FREEDS110 PARTICLE SIZE DISTATUBIIONS (NUMBER/M\*\*3-M4) TYPES RAIM SAMPLE 1 7 AFFT ICING SPRA TEST BY AFSL FLIGHT E79-69 ON 21 JAN 79 1 SECOND AVERAGING INFEPAL STRETT-956-29163\* PARTICLE SIFE DISTRIBUTES (NUMBER/Ne\*3-M4) SAMPLES 7

PRESSURE 19 251		SO FLOW !	HZO FLOW PATES 32 624	OISTAN	DISTANCES 2:0 FT	1 - FE - 10 - 14 - 1	PKESSUK-1 16 'SI	10 'SI M20	7 7 7	1 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
SIZE (MI)	SSATTER PROBE	104)	3,033	S12E (M)	PRESTP PRSSE	55F.3	SIZE	SSATTER PROBE	\$125	2,003 2408£	SIZE	PRECIP PRO9F	6 (48) 549.8
•	4.8.4	1.6	1.1696.8	101	8.527+93	ALT (KM)	•	2,475+03	23	1.135+08	1 01	9, 195+13	ALT (KH)
<b>-</b>	445489	1	A. 4 LF + F 7	547	4.66E+11	4,863		6.57E+09	۳ <del>۱</del>	9.20E+07	2 49	1.66E+11	4.856
٠.			7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1.745431		.0	1.605+19	6.9	+.8 3E+C7	7 76	•	
	2004	•		1241		TEMF (C)	•	1.925+10	8.5	2.47E+C7	1241	•	TEMP (C)
•	1.375410	46.		1538		-11.5	, ,1	1.29E+10	195	1.29E+07	1538	.,	-11.7
:	7.456400			1835			12	7.17E+89	122	7.30€+66	1835		
7	286469		•	2132		FROSTPOINT	2	6.12F+49	145	4.10E+C6	2132	:	F > OSTPOINT
: :	7.266+69		' -	2429		-20.8	10	3.525+09	161	1.552+65	5459	;	-50.9
•	C 4 4 C 4 - 2			2776			=	3.07E+09	181	1.275+06	2726		
	106470		• ~	3003		TAS (M/S)	20	2.412+03	234	9.6 3E+0.5	3023		TAS (M/S)
200	2.176+80			1326		122.3	22	2.27E+09	221	6.4.5.4.3	3325	;	122.0
46	1.4.6.40.0		•	3617			3,5	1.42F+09	241	2.545465	3617	<b>0</b> .	
			•	7161		NT (N/M')	25	1.236+03	260	2.495+15	3914		NT CN/HE)
	5. ES Feils		• ~	4211	:.•	3506616.4	87	6. 22E+88	180	2.18=+45	4211	3.	30 44561.9
,	9.656 40 8	::	-	4538	•		30	1.145+09	334	1.315+45	4508		
*		:	•			TOTALS							TOTALS
-	2.28E-01		1.152+62		5.905-32	1.116+00	SHI			1,235+00		5.98E-12	1.29F+00
-	_		121		614	126	MED D	20		128		90 t	132

AFFTS TOTING SOBAY TEST BY REGL FLIGHT E79-CY A4 21 JAN 73 1 SECOND AVERATING THITOMAL STRATE-TOTING SOBALL PARTICLE SIZE DISTATEMING (NUM FER/14\*\*3-M4) AFFI ISM EPG-D3 ON 21 JAN 79 1 SECOND AVERGING INCOME AND AVERACING TATAS (NUMBER/4003)-44)

SAMPLE 1 7

14.0

CAL FACTORE	0 (FB)	4LT (KM) 4.855	TEMP (C) -11.8	FROSTPOINT -21.0	122.0	3492113.2 TOTALS	1.045+061
DISTANCER 200 FT	PRECIP PROGE	1.06t+34 5.6+E+31 0.		 		 	7.25E-32 488
91574	S126 (MI)	1 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1241	2429	3023	3914 4211 4508	
HEO FLOW RETER 32 GOM	5L373	1.025+09 9.366+07 4.285+07	2.08E+C7 9.80E+C6 5.45E+C6	2.03E+06 1.41E+06 9.33E+05	5.865+05 5.43E+05 1.86E+05	1.63E+05 1.45E+05 9.31E+64	9.57E-C1 122
FL34 R	\$17£ (10)	0 t 0	132	181	122	250 300 300	
	SCATTER PROBE	1,93E+69 6,91E+69 1,52E+10	1.696+10 1.036+10 6.076+09	5.23E+89 2.78E+89 3.02E+09	1,90E+09 1,54E+09 1,21E+09	9.22E+08 5.25E+08 6.60E+08	1.54E-01 20
POESSURE: 1, SSI	(UM)	N 4 40	# G &	1325	5 K G	2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	LWC NED 0
CAL FASTOP: 14.0	6 (48) 544.9	ALT (KM) 4.854	154P (C) -11.6	FOOSTPOINT -20.9	TAS (H/S) 122-1	3503429.5 3503429.5	1,176+00
DISTANCER 279 FF	alú∋ad	7.736+13 1.666+11			<b>်င်းခ</b> ်	• ကို မီး ဗေးကို မား	5.39F-12 410
TSIC	SIZE (MJ)	63 t 56 7	1539	2132	3023 1320 1617	3914 4211 4508	
TER 72 GOM	0,033 93085	1.235+08 8.58E+07 4.15E+07	2 - 2 5 E + E 7 2 - 2 5 E + E 7 5 - 3 7 F + F 5		5.275+05		1.125+00
HZO FLOW RATES	(f4)	63.2	102	122	25.2 24.2 24.2 24.2 24.2 24.2 24.2 24.2	260 300	
	SCATTER PR39€	1,975+73	1.346.410	5. 8+E+09 3. 33E+69 3. 89E+09	2.33F+u9 2.23E+u9 1.37E+09	1.39£+39 6.52E+88 1.49E+89	2,40 F-01 20
ISc [[ #Eafla53bo	SIZE	ഡ എം ഡ	*****	4 4 4 4 4 44 4 4	25.2.5	25 26 30	L WC

SAMPLES 7

APPTS ISTMG SPRAY TEST BY AFEL
FLIGHT E79-63 ON 21 JAN 79 1 SECOND AVERAGING
INTERNAL STAFT\*\*PFTS103\*
PARTICLE SIZE DISTREBUTIONS (NUMBZ/N\*\*\*\*-WH)
TYPES RAIN SAMPLE: 6A FIGHT E79-83 ON 21 JAN 79 1 SECOND AVERAGING INTERNAL STATE-OD129:13\*
PARTICLE SITE DISTRIBUTIONS (NUMBER/M\*\*3-M\*)
TYPE: ANIM SAMPLE 1 7

CAL FACTOR: 16.8 F 9 0 5 7 P 0 1 M 7 - 2 3 . 1 TOTALS 5.75E-01 129 TEMP (C) -18.9 TAS (M/S) 122.8 NT (M/HZ) 1733529.7 4LT (KM) P (38) DISTANCE: 200 FT 1.406+04 PRECIP PROBE CAL FACTOR: 14.0 PRESSURE: 10 PSI H20 FL)W RATE: 36 GPM 2.00 to 10 t 4.83E-f1 114 \$12E HANDING WATER TO COMPANIE COMP 1.672-62 STATTER PROBE TOTALS 8.26E-01 121 FROSTPOINT -21.0 TAS (H/S) 122.0 NT (N/HZ) 2964146.1 ALT (KH) TEMP (C) -11.7 P (HR) 549.8 DISTANCES 208 FT 4.97E+93 3.33E+81 PRECIP PROBE FLON RAIES 32 GPM 7.325-61 .17 CL 000 S12E PRESSURER 18 3ST H20 1.77E-21 20 SCATTER PROBE 

AFT: ICING SPRAY TEST BY AFGL
FLIGHT ET9-0\* ON 21 JAN 73 1 SFCOND AVERAGING
TVIERAL STATT\*-0f130\*04\*
PARTICLE SIZE DISTRBUTIONS (NUMBER/4\*\*3-M4)
TYPE: RAIN 1FFT TOTNG SPOAT TEST BY AFGL
FLIGHT E79-F3 OV 21 JAN 73 1 SECOND AVERAGING
INTERVAL STATTFOOTESMIA\*
PARTICLE SIZE DISTABULIONS (MUMBER/M\*\*3-44)
IYPE: RAIN

4

SAMPLE

CAL FACTOR: 16.0	, (HB) 549.8	KMS	998	•	(3)	1.1		DINT	3.1		(\$)	2.7		(2)	4.00	٠,	7. S	E+11	123
CALF	_ v	ALT 6	4.866		1549	-11.1		FROSTPOINT	~		TAS CH	122.7		3	3322083.4		2	1.125.01	
DISTANCE! 200 FT	PRECIP PROSE	1.06E+94	8.25E+31			•		•	:							•		7.31E-62	604
01514	SIZE	*0*	647	4 96	1541	1538	1635	2132	2429	2726	3923	3320	3617	3916	4711	4504			
FLOW RATES 36 5PM	0,000 P208E	1.085+08	7.55E+87	4.39€+07	2.30€+07	1.11E+07	6.54E+06	2.9 46+05	1.7 45+06	1.01E+06	8.28E+05	6.4.1E+05	1.505+05	1,376+05	1.265+05	+ ]+ ja + + 6		1.84E+88	123
FLOW R	S12E (40)	2	*	~9	8	102	122	745	191	181	20.2	27.1	241	36.0	233	3.0			
H20	SCATTER PROBE	1.17E+09	3.538+09	9.116+09	9.30E+09	5.49E+09	3.06E+09	2,535+69	1.56€+49	1.43E+09	1.18E+09	9.47E+88	7.23E+08	4,25E+08	2.2+E+C8	2.35E+28		9.70E-12	20
PRESSURF 10 SSI	SIZE (MU)	N	*	•	•	2	12	*	91	2	2	22	24	26	£.	2		2	MEO 0
CAL FACTOR: 14.0	P (MB) 549.7	ALT (KM)	4.867		TEMP (C)	-11.6		FROSTPOINT	-21.0		TAS (H/S)	121.7		NT (N/H3)	2156732.8		TOTALS	9.906-01	194
JISTANJER 200 FT	PRECIP PROSE	4.89E+14	3	•	•	å	•	•	•	•		•		•	•	•		3.226-31	70 \$
91ST48	SIZE	<b>*0*</b>	64 7	3 5 6	1241	1536	1875	2132	5459	2726	3023	3320	3617	3914	4211	4 50 8			
H23 FLOW RATER 32 GPM	3_033 2208E	4.91E+07	4.32E+C7	2.7 5E+07	1.575+17	9.1 4E+C6	3.7 2E+06	1.596+06	7.192+05	5.37E+85	4,33€+05	3.766+05	1.995+05	1.362+05	9.796+84	8.76E+04		6.385-01	121
FLJ# R	\$12E (40)	23	4	62	82	102	12.2	145	161	101	201	221	241	269	180	39 0			
	STATTER PROBE	7.29 6+48	2.63E+09	6.89E+49	7.84E+09	4.92E+03	2.35+09	2.62E+09	1.625+09	1,915+09	1.185+09	1.835+09	6.39€+38	4.295+08	1.95E+88	3.88E+88		9.57E-02	53
PRESSURE: 10 PSI	S12E	~	•	•	•	10	75	*	16	1.9	<b>1</b> 2	22	72	\$2	7	96		7	MEN D

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SAMPLE 1

CAL FACTOP: 16.0 CAL FACTORE 16.0 F-05TP01#T 47 (N/H3) 2589963.8 TAS (M/S) 122.4 P (MB) 549.6 ALT (KH) TEMP (C) P (#6) 549.6 TEMP (C) ALT (KH) AFFTS TOTAG SPRAY TEST BY AFSE NO 21 JAN 79 1 SECOND AVERAGING INTERPLETATION STATIONS (NUMBER) NATIONE SIZE OFFICE SIZE SIZE OFFICE SIZE SIZE SIZE SIZE SIZE SIZES AFTI ICING SPRAY TEST BY AFGL
FLISHT EF9-B3 ON 21 JAM 79 1 SECOND AVERGENG
I HFRAIL STATE-B833818F\*
PARTICLE SIZE DISTRIBUTIONS (NUMBER/New3-MM)
TYPE3 RAIN DISTANCES 213 FT ī 3.05E+34 5.29£-11 404 1.745+34 PRESIP PROBE PRECIP PROME DISTANCE: 280 \$12E \$12E CAL FACTOR: 16.0 PRESSURE: 10 PST HZO FLOW RATE: 36 GPM 8.24E-61 123 FAL FACTOR: 16.0 PRTSSURE: 11 POT 120 FLOW KIT; 1 35 ROW C. OUD 2.000 P208E ST2E (40) STZE (4U) 1, 46E 09 1, 94E 09 1, 05E 10 3, 59E 10 3, 59E 10 1, 71E 10 1, 14E 10 1, 14E 10 1, 15E 10 1.12E-01 2v STATTER PROBE SCATTER PROBE SAMPLE: BA SAMPLER BA 336472346472348 1.24F+00 134 F 20STP01NT -23.1 TAS (27S) NT (N/H3) 3325193.3 TEMP (C) -11.4 ALT (KH) P (MB) 549.7 ALT (KM) P (MB) 549.8 AFFT IOTNG FPRAY TEST BY AFGL
FLIGHT EF9-63 U4 21 JAN 79 1 SECOND AVERAINS
INTERNAL STRATT+UPF:310:06\*
PARTICLE STE DISTABULTONS (NUMBER/H+\*3-44)
TYPE: ARIN AFFTC ICING SPRAY TEST BY AFGL
FLIGHT EF9-03 ON 21 JAM 79 1 SECOND AVERAGING
INTERNAL STRATIS-BE133105\*
PARTICLE SIZE DISFREULIONS (NUMBER/M\*\*3-M4)
TYPES RAIN DISTANCE: 200 FT DISTANCES 200 FT 1.10E+04 1.65E+31 0. 7.23E-12 405 A. 54E+33 3.38E+91 PRECIP PROBE PROBE SIZE 312E FLOW RATES 36 GPM FLOW RATES 36 GPM 1.16E+00 129 6-1000 P2:09E C.0UJ S12E (40) SIZE (40) COURT THE BUSINESS AND COURT AND COURT TO COURT PRESSURE 10 PSI H20 1.66E-01 21 SCATTER PROBE SSATTER PROBE SAMPLE

18 CO.

	F.IGNT E7	9-83 ON IATER	AFFIC LLIME SPER FLIGHT E79-83 ON 21 JAN 79 INTERFAL STARTIFF	IAV TEST BT AFGE 1 SECOND A	EST BY AFGL 1 SECOND AVERAGING 1109*	116	SAMPLE	F. IGHT E	19-03 ON INTER	PICKT ETG-04 ON 21 LAND 2 LONG 21 PAR AND 12 POLICE TO A STANDARD 12 POLICE TO	138151	1 SECOND AVERAGING 1 SECOND AVERAGING 31:21*	ING
	PARTICI	0 3218 31	PARTICLE SIZE DISTRIBUTIONS IVPER RAIN	CNUMBER	(NUMBER/M**)-M4)			3	1 S12 U	THE TOUR NICE OISTRIBOTION OF THE TOURS AND THE TRANSPORT OF THE TOURS	5	(kh-s-ar/	
2	PRESSURE: 10 PST H2	O FLOW R	HZO FLOH RATER 36 GP4	NATRIC	DISTANCE! 230 FT	CAL FACTOP: 16.8	PRESSURE! 10 PST		20 FL3W R	HZO FLJW MATER 36 GPM	DISTAN	DISTANCE! 208 FT	CAL FACTOR: 16.8
S12E (#3)	SCATTER >ROBE	S 7 2 E	C_0JJ	S12E	PRECIP PROBE	P (NB) 549.6	S12E (MU)	SCATTER PROBE	STZE	CL 04)	SIZE (NU)	PRCTP PROBE	P (MB) 549.8
			4.395467	4.14	3.46E+03	ALT (KM)	~	2, 38E+09	23	5.275+07	705	4.96€+03	ALT (KM)
٧.	5.59E+60	S F 5	7 5 4 1 E 1 1 1 1	7 49	1.656+01	4.858		9.095+09	£ 4	5.355.67	<b>~</b> 3	3, 316+01	4.866
•	604367		2.1764.7	346	.5		•	2.02E+10	62	3.166+07	7 70		
o <b>-</b>	3,500		1.047467	1241		1F1F (1)	•	2.10E+10	62	1.565+07	1241	•	TEMP (C)
, .	2 2 2 5 4 5 6	•	9 4 5 5 7 9	1518	•	-11.6	97	1.425+10	102	1.0 CE+07	1538	:	11.6
		1 6	4.4.	1435			12	7.36E+69	122	4.7 95+06	1635	:	
4 4			4 . 8 6 5 4 5 6	2132	· c	F > OSTFOTNT	1,	6.93€+09	1+2	90+360°7	2132		FROSTPOINT
* :	1027213	747	9. 405 6.5	2429		-53.2	16	2.736+09	191	1.15E+06	5459	:	-23.5
۰.	0.072.00		A 0 2 C 4 D C	2726			18	2.725+09	181	4.235+05	2726	•	
	000000000000000000000000000000000000000	101	4 1 4 1 4 1 4	70.7		TAS (M/S)	20	1.61E+09	23.1	5.545+05	3023	•	TAS (M/S)
2 2	3.105.00	102		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		122,5	22	1.712+09	221	3.35E+05	132C	:	122.2
٠.	0.075	4 5 6		3617			₹2	1.446+39	241	7.53E+f4	3617		
*	4, 035400			101	: =	NT (N/M3)	26	1.146+39	261	5.9 BE+04	3914		NT (N/H3)
•	Z. 84E+10				: -	1.58497.1	2	5.54.644.8	0 8 x	6.32E+04	4211		2381681.1
	1.205+08	002	1041011	1 1 1	•		5	7.86F+18	4.3.0	4.215+6.	4508		
2	1,725+88	200	3.300.404	0	•	TOTALS	3		;		•	}	TOTALS
	69-976		5. 105 aft		2,355-12	5.62E-01	CE.	2.095-01		7.936-01		3.40E-32	7.37E-01
1 E E	20.212.0		120		463	124	HED D	20		114		604	116

	141 16.0																	_	
943	CAL FACTOR: 16.0	P (48) 549.7	ALT (KH)	!	TEMP (C)	-11.8		FROSIPOINT	-53.		187 (H/S)	122.3		MT CN/H3)	3186824.1		TOTALS	1.065+60	136
FEST BY AFGL 1 SECOND AVERAGING DO 22 P	DISTANCET 209 FT	26.612 PR085	9.57E+13 3.31E+11	•	ċ	•	•	<b>.</b>	<b>.</b>	<b>:</b> •	<b>.</b>		•	÷	<u>.</u>			6.43E-12	<b>10</b>
1651 8 1 56 1301224 (NU4938,	DISTAN	1118 (40)	40 4 547	7 76	1541	1538	1685	2132	6242	9212	3023	3320	3517	3914	4211	4 50 8			
AFFIZ ICING SPRAY TEST BY AFFIL ISHT EFG-03 ON 21 SAW TR 1 SECOND AVER PARTICLE SIZE DISTRIBUTIONS (NUMBER/MONS-NAY)	HZO FLOW RATEL 35 GPN	3E02e	1.315+08	4.25E+u7	1.335+07	1.1 76+07	5.88E+C6	2.79E+C6	1.28E+05	9.985+6.5	7 . 3 9E + F 5	4.06E+05	2.63€+65	2.12-+65	1.715+05	1.986+05		9.346-01	125
4FFT3 03 ON INTERV SIZE DI	FL 3W R4	3116	8 F	25	8	102	122	142	161	181	102	121	241	260	280	101			
u.'		SCATTER PP39E	2.69E+09 1.00E+10	2.11E+10	2.08E+10	1.346+10	7. 40E+09	6.14E+09	2.535+09	2.60E+09	1.55E+09	1.63E+09	1,32E+69	1.21E+09	6.21E+08	1, 016+09		2.095-01	<b>8</b> 2
SAMPLE: BB	PRESSURE: 1	SIZE (HJ)	6 IA	ø	70	97	15	<b>1</b>	91 9	<b>5</b>	2	25	₹	92	28	30		LWC	MED 0
9 N 1	CAL FACTOR: 16.0 PRESSURE: 10 PST	P (48) 549.7	ALT (KM)		TEMP (C)	-11.5		FPOSTBOINT	-23.6	;	TAS (H/S)	122.6		NT (N/M3)	1922115. 3		TOTALS	7.295-01	149
RAY 7EST BY AFGL 1 SECOND AVERAGING *00133:20* 45 (NUMBER/Y***)-M4)	DISTANCE! 290 FT	PRECTP PROBE	3.33E+04	•		;	:	<b>:</b>	•	•	•	<b>.</b>			•			2.22E-31	101
RAV 7EST BY AFGL 1 SECOND A * 00:33:20* 45 (NU48E2/4**3-	DISTAN	SIZE (HJ)	\$0 t	7.50	1241	1538	1835	2132	5429	2726	3023	3320	3617	3914	4211	6 6 6	•		
AFFIC ITING SPRAY L3 ON 21 JAN 79 INTERNAL STARTING SIZE DISTAIBUTIONS IVPER RAIN	HZO FLAW RATER 35 GPM	CL00J	6.182+67	2.37E+07	1.215+67	5.366+66	3,375+66	1.39€+66	8.36E+05	3.095+65	2-15E+05	1.35E+05	3,755+0+	5.045+04	6.275+04	6.366+016		5.37E-03	112
AFFTC-103 ON INTERV SIZE DI	FL'14 RA	S12E (4U)	82	9	82	102	122	142	161	181	201	22.1	241	26.0	28.0		,		
PETENT ETS-US ON 21 JAN 79 INFRANT STATE PARTICLE SIZE DISTENTINGS		SCATTER 223BE	2.068+69	4.9AF418	2.19F+10	1.61E+10	9.29E+09	7.935+89	3, 105+09	3.52E+03	2.15E+09	2.136+09	1.245+09	4. 515+69	4.976+BA	90717	7.076.4	2.838-81	54
SAMPLE 1 98	PRESSURE 10 PSI	SIZE	∾ :	• •	•	97	75	1	16	19	12	22	2	*	7	; =	\$	9	HEOO

17MG	CAL FACTO9 15.f	P (MR) 549.9	ALT (EM)	4.864		TEMP (C)	-12.0		FROSTPOINT	-22.4		TAS (M/S)	122.8		NT (N/H3)	2136080.5		TOTALS	6.41E-01	141
TEST BY AFOL   1 SECOND AVERASING   130125*   (NUMBER/M**)=44)	DISTANCES 208 FT	PRECIP	4.86E+13	1.65E+31	•	•								•	•		•		3.275-12	£03
	21514	S17E	707	64	116	1541	1538	1835	2132	2429	2726	3,23	3326	1617	3914	4211	453 E			
4 60	H20 FLJ4 RATEL 36 6P4	0,000 P209E	6.2 95+07	4.785+07	2.8 3E+f 7	1.265+07	7.1 45+56	2.65E+06	2.245+66	8.5 98+05	6.465+65	4.295+05	2,366+15	1.505+05	1.1 46+45	9.6 75+6 4	5.455+64		6.18E-C1	125
16FT 03 04 14FER 51ZE 0	FLIMR	\$125	23	~ *	6,	6	102	122	÷	191	181	2.11	72.1	141	76.9	, c.	0			
<b>ಪ</b>		SCATTER PROBE	2,116+63	7,916+09	1.646+10	1.55E+1.	a. 37E+39	4.935+09	4.28E+09	2.045+03	2.03E+09	1.69E+19	1.46£+.9	3.245408	7.375.46	4.17E+08	6.11E+08		1.54E-01	20
SAMPLE BR	PRESSURE: 1	S12E (HJ)	2	.5	œ	•	10	21	7.7	10	£1	20	22	\$2	52	62	53		2	6 63¥
J.N.C	CAL FACTOP: 16.0 PHESSURE: 10 PSI	6 (#8) 540.8	ALT (KM)	4.855		TEMP (C)	-12.0		F: 03TDDT4T	-23.2		145 (4/5)	122.8		N (K/M3)	2974364.1		TOTALS	1.805+00	952
2AV TEST BY AFSL 1 SECOND AVERAGIMF 00.1301.23 NS (NU48E2/H++3-44)	DISTANCEL 200 FT	995.0399 995.0399	1.145+15		1.735+11		ځ:	٠				; ;			: :	; ;		:	7.545-11	5.5
2AV TEST BY AFSL 1 SECOND A *0[13]123* NS (NU48E2/H**3	DISTAN	SIZE (41)	7 ( 1	7 +0	7 7 6	1241	1578	1935	2137	0	1646	1122	4 4 3 0	7 61 7	101	121	200	) . }		
AFFT TCING SPRAY 15MM 79 TABLE START 19 TABLE START 19 TABLE START 19 TABLE START 19 TABLE SAIN	HZO FLJW RATER 36 GPM	3L0J0	4-875417	6.785407	3-8/6-67	1.785.77	1.172+17	5.475+66	4 4	4.77246	4	20.00	5 16 16 16	1000	2 14 10 1 1	2.2354.5	2.045.0		1.045460	133
4FFT; 03 ON 11TEPN 517E	FL 34 R	\$12E	2		. 3		102	122	1 4	1 4				, 6	1 2 2	2 6		•		
<b>.</b> '		SCATTER PRJ9E	00404.4	2012	2.42644	2.175.41	1.586+10	7.575400	6.725.7	0 400 6	6,436.6	6.43	604 267	1.036.5	CO. 12.07	604140 U	0.0000	*****	2 415-74	
SAMPLE 1 88	PRESSURER 10 PST	S 17E	•	<b>u</b> •	• •		. =	::	3 4		3:	9 6	2 6	3 6		8 8	P =	2	5	1 TEO 3

CAL FACTOR: 16.8 TOTAL S 6.16E-01 112 FROSTPOINT -21.9 TAS (M/S) 122.2 NT (N/M3) 2112924.6 540.9 ALT (KM) TEMP (C) -11.9 DISTANCES 239 FT 3.25E+33 1.60E+31 FL34 R1151 36 G34 7.775; (7.75; (7 5.946-61 183 3, 095 93,095 CAL FACTOR 16.0 PRESSUPER 10 PST MED 7.22 F+C9
4.10 F+C9
11.0 F+C9
12.0 F+C9
13.0 F+C9
14.0 F+C9
15.0 F+C9
16.0 F SCATTER PR18E 1.596-01 107ALS 1.46E+00 193 ALT (KM) 4.856 F= 05TP014T TAS (M/S) 122.6 NT (N/H?) 2769196.8 TEMP (C) -12.1 P (MP) 549.8 PISTANCES 200 FT 7.576+14 PRECID FLJA QATET 35 GFM 6.9446607 2.1466607 2.1466607 3.44607 3.446607 3 9.56£-01 129 S T Z E PRESSURER 11 PST H20 2. 11 Feb. 9
10. 12 Feb. 9
11. 73 Feb. 9
12. 73 Feb. 9
13. 74 Feb. 9
13. 74 Feb. 9
14. 75 Feb. 9
15. 74 Feb. 9
15. 75 Feb. 9
15. 1.77E-01 20 

SAMPLEL

AFFI E79-03 3N 21 JAN 79 1 SECOND AVEPAGING 21 JAN 79 1 SECOND AVEPAGING INTERVAL STATI-0E1530125\*
PARTICLE CITE DISTRIBUTIONS (NUMBER/W+83-NW)

SAMPLES

APPTI ISING SPRAY TEST BY AFFOL NO 21 JAN 79 I SECOND AVERACING TYTERVAL STATI\*-DF130129\* PARTICLE STATISTICALITONS (NUMBER/N\*\*3-NY) TYPER RAIN

	116.0																				16.1													
	CAL FACTOR: 16.0	* (36) \$49.8	ALT (10H)		TENP (C)	-12.1	* THE CONTRACTOR	-21.3		TAS (M/S)	354.2	NT (N/#3)	2293591.7		7.026-01	130		<u>.</u>	2		CAL FACTOR: 16.0	545.9	ALT (KH)	. 00 ·	TEMP (C)	-12.1		FROSTPOINT		TAS (M/S)	1.621	NT CH/HB3	2041176.7	
1 SECONO AVERAGING 1 SECONO AVERAGING 1123° 14682/HP+3-N4)	DISTANCE! 206 FT	PRECIP	8.276+33	3.29E+31		•		: :			•			•	5.57E-32	101	į	BY AFGL From Average	riten: E/3"us 34 El Jan 73 . secono milantes e la secono milante el secono milante e la secono milante el secono milante e la secono milante e la secono milante e la secono milante el secono milante el secono milante e la	( ph- 1 - ph/ 2	DISTANCER 238 FT	PRECIP	1.635+94	•		: -					•			:
1651 1 5 130 23 (NU 405	91514	STZE (MU)	3	i	1241	1516	1935	2429	2726	385	1520	3914	1124	4506			,	TEST	130133	18 F. S.	01514	SIZE	10	3	7 7 7	1578	1035	9132	2726	3023	215	3416	1124	,
AFFT 1 17146 SP44Y TEST OV AFEL FLIGHT E79-63 ON 2.1 JAN 19 15 COND AVEN PARTICLE SIZE DISTANDUTIONS (MUMOEX/He+5-NA) TYPES RAIN	HZO FLOW RATES 36 GP4	380% 8408£	6.0 4E+67	5.51c+t7	1.586+67	9.6 35+66	904325.4	1.245+16	6.44246.6	2.146462	0 - 4 B D + 4	1.6.6+75	1.37E+F5	9.7 PE+C+	7.266-6.1	123		teft; tjing spaav test by Affel on of the 70	AL STARTING	ISTOLOUTIONS TYPE: RAIN	FLOW RATES 35 GPM	2_0UJ	27+386.5	4.835+07	2.C 5E 0 C C	7.175+66	5.24E+06	2.27E+06	5.61E+05	4.28E+0.5	3. I 3E+C9	1.63E+04	3.272454	
463 ON 147 EPV 51 25 DI	FL 3W RI	ST ZE	2.5	, e	. A.	201	221	191	181	201	1 1	260	230	30				Teef:	I TER	SI*E 0	FLOH R	512E	23	<b>.</b>	2 C	135	122	7:5	181	201	12:	264	9 6	•
FLIGHT E79- Particle		SCATTER PROBE	1,486+03	6.82E+09	2.30E+10	2.096+10	1.216+10	4. 37E+49	4.02F+09	2.416+09	2.07E+09	1.636+69	7. RJE+E4	1.51E+09	3.025-01	28		TONE CROS	**************************************	PARTICLE	13 ° ST H20	SCATTER PROBE	1.76E+09	7.40E+09	1.85E+10 2.28E+10	1.99E+10	1.20E+10	1,035+10	4.13E+09	2.37E+09	2.485+09	1.88E+09	7.555.00	
SAMPLE: 68	RESSUREL 10	STZE	₩.	• (	•	7	2 :	191	=	50	22	. <del>2</del> 2	8	2	2	MEO D		SAMPLE: 68				S12E (MU)	~	<b>.</b>	e 4	9	12	::	9 4	2	22	2 %	<b>9</b> 2 P	;
	CAL FACTOR: 16.0 PRESSURE: 10 "ST	549.9	ALT (KH)	* 00 0 0	TEHP (C)	-11.9	THEORETONE	-21.5		TAS (H/S)	122.4	NT (N/H3)	2123232.8		6.95E-01	1.1					CAL FACTOR 16.0 PRESSUPE	7 (18) 6.9.9	ALT (KH)	100.1	1540 (5)	-12.0		FEOSTPOINT	. • •	7AS (H/S)	166.3	NT (N/H3)	0 * 25¢¢561	
AN TEST OF MICE AND AVERAGING 1 STONO AVERAGING	DISTANCE: 200 FT	PRECIP PROSE	8, 40E+33	3.31E+31		•	••	•		<b>.</b>	•	:	٤.	÷	5.665-52	404	į	Y AFGL		(14-13-44)	DISTANCE 200 FT	3050g	3.966+93	1.65E+31	•				: :		•		•	
1.53   4 1.52   5 1.30   27 *	MATSIC	\$12E (40)	4 05	· 3	1241	15.8	1,155	2629	2726	34.2	2 2 2 E	3914	4211	+ 20 6			,	SPRAY TEST BY AFGL	136129	(MU49E &	OISTAN	SIZE	101	÷ ;	1	1538	1035	2132	2726	3023	3617	3914	1271	,
17525	HZO FLJW RATE! 36 GP4	C. 003	5.758+07	2.91E+0/	1.375+67	6.905+66	3.568405	9-145-05	5.075+0.5	4.006+05	2.375+65	1.26463	101	8 • 3 5 E + 0 +	6.38E-C1	123		AFFT; ICING SPRAY	TATIONAL TO A THE TANK TO A TO THE TOTAL TO THE TANK THE	DISTRIBUTIONS (NUMBER/H**3-44) TYPE: RAIN	KATE! 36 GPM	C, 045	6.366+47	4.355.67	1.11.40.7	7.985+05	3.96E+06	1 - 4 CE + C O	7.9464.5	4.002+05	1.136+65	8. 1. 4. E. + O. +	0.51E+64	
14 ER 14 ER 51 2 E D	FL 24 R	STZE (40)	23	• •	20	201	221	121	181	201	122	9.	20.0	303				4 4 F F F	INTER	SI 2E 0	FLOW	\$72£	23	* *	2 6	102	122	147	181	201	79.	9.	9 5	•
FLIGHT E79-63 DN 21 2AN 121 ERREAL STAF PARTICLE SIZE DISTATED		SCATTER PROBE	2.44 E+09	1. 14F+19	2.24E+10	1, 56E+10	7.75E+89	2.96E+19	2.97E+03	2.26F+09	2.17E+09	1.29E+09	6. 68E+08	1.28E+09	2.438-01	20		F 1047 579.	6.3 (M87")	PARTICLE	0 PSI H20	SSATTER PROBE	1.47E+09	6.995+89	1.79E+10	2. 1.9E+10	1.264.10	1.175+10	\$ 49E+09	2.53E+09	1.65£+19	1.996+69	1.665+00	
SAMPLE	PRESSURE1 10 PSI	S12E	~								2.2	<b>5</b> 2	28	30	28.7	460 0		SAMPLE! 88			PRESSURE: 10	S17E (MU)						==	: :			2	2 2	;

INTERPRETATIONS (NUMBER/4003-44) INTERPRETATIONS (NUMBER/4003-44) INTERPRETATIONS (NUMBER/4003-44)	DISTANCE S135
7 (#8) 558.0	PROSE 558.0
ALT (KM)	9.62E+34 ALT (KM) 9. 4.853
TEMP (C)	16. TEMP (C)
-12.2	112.2
FROSTPOINT	
145 (4/5)	
	• 0
23006C	7. 73008C7.9
TOTALS	D. TOTALS
1.446+00	6.37F-11 1.44E+00
es Ive	CCINS SPRAY TEST BY AFGL 1 JAM 70 1 1 SECOND AVERATING 2 SECOND AVERATION OF THE SECOND AVERATING (MUMPERVATOR) PER RAIN
T CAL FACTORY 16.8 PRESSURES	DISTANCEL 243 FT CAL FACTORE I
6 (49) 550.1	04531p a 41030p
ALT (KM)	7.22F+13 ALT (KM)
7ENF (C)	16
-2102	0. FAUSTPOLET
	•
145 (M/S) 122.7	
	•
2243299.2	0. 2243299.?
TOTALS	J.
	TOTALS

AFFT ICIMG SPRAY TEST BY AFGL F.IGHT E79-83 ON 21 JAN 73 1 SECOND AVERAGING INTERMAL STATEOBISBIST PARTICLE SIZE DISTAINDITIONS (MUMORRA/M**3-MM)
SAMPLE 8 66
B FFT: TOTING SPRAY TEST BY AFGL FLIGHT EP9-83 ON 21 JAN 79 1 SECOND AVERAGING I MYSRAL STRATI-09130135* PARTICLE SIZE OSSTRBATIONS (NUMBER/M**3-N*)
SAMPLE

CAL FACTOR: 16.0	550.0	ALT (100)	10 mm s		TEMP (C)	5.27		FROSTPOTMT	-10.		13/H) ST.	423.0		NT CH/H33	2161376.4		TOTALS	6.932-81	132
DISTANCE! 280 FT	PRECIP	3.686+33	9.016+31				·					4			.,	•		6.74E-32	<b>*</b> 114
DISTAI	\$12E	101	6.7	j	1241	1538	1935	21.12	2429	2726	3323	3326	3517	176.	4711	9764			
HZO FLIW RATER 36 GPM	0,000 P208£	5.475.07	4.742+87	2.646+67	1.295.07	7.895+65	3.775.66	1.812+06	1.168.86	7.245+[5	**255+#5	3.81E+(5	3.7 15+CL	6.385+84	3.35E+£ 4	43436649		6., 55-61	123
FLINR	\$12£	23	*	29	•	102	122	147	101	191	291	121	2+1	696	293	25			
	SCATTER PROBE	6.27£+68	3. +8E+09	9.836+05	1.616+18	2.08E+13	1.86E+18	1.8.E+10	1.03E+10	8.496+49	4. 22 E+09	3.63E+09	2.35E+#9	2.79F+09	1.29E+C9	3.625+39		5.06 c-01	20
PRESSURE: 18 PSI	312 (M)	~	•	•	•	91	12	<b>:</b>	91	2	92	22	*2	<b>2</b> 6	92	33		3	AEO O
CAL FACTO9: 16.9	6.04) o	ALT (KM)	4.863		TEMP (C)	-12.5		FROSTPOTNT	-20.6		T&S (H/S)	123.5		NT (N/HE)	2457243.9		TOTALS	8.74E-03	174
DISTANCE: 260 FT	PRESTP PROBE	6.865+13	1.6+E+91		•	•	•		.;					ŗ.	.;	•		4.536-12	9 * *
DIST41	ST7E	* 0 *	64.7	110	1241	1538	2936	2112	9429	2726	3023	135r	7617	3314	4211	450 8			
420 FLJ# RATER 36 6PM	C_ 000 309E	7.325+67	5.552+07	3.036+07	1.765+07	9.36⊑+35	4.625.66	2.34=+66	1.535+66	4.562+05	6.19€+65	3.34E+1.5	1.12E+05	1.20£+P5	1.467+05	3.355+64		9.285-01	129
FL3# RA	\$12E (40)	23	£ 9	9	£.	112	122	142	191	191	20.2	12.1	2+1	26.0	293	333			
	SCATTER PROBE	9. 93E+08	3.935+89	1.016+10	1.76E+18	2.2.6+10	1.83E+13	1.825+10	9,33€+09	7.446+63	3.98E+09	3.53E+09	2.236+09	2.915.49	1.25F+03	2.91E+09		4.85E-01	20
PRESSUREL 18 251	SIZE	^1	•	ص	•	97	27	1	16	e <del>u</del>	20	22		52	<b>\$</b> 7	30		2	463.0

SAMPLE: 8R 16HT E79-63 ON 21 JAN 73 1 SECOND AVERGING TATEST BY ARGING TATEST SATISTED TO SUBJECT OF STATISTED TO SUBJECT STATEST SATISTED TO SUBJECT STATEST SATISTED TO SUBJECT SATIST SATISTS SATISTED TO SUBJECT SATISTS SATISTED TO SUBJECT SATISTS SATIS AFFTS TSTME SPRAY TEST BY AFGL
F\_ISHT E79-03 NV 21 JAN 79 1 SECOND AVERAGINS
INTERFAL STATE-OPITO135\*
PARTICLE SI76 DISTRIPHING (NUMSEQ/M4\*3-44)
TYPE: RAIN

CAL FACTORE 16.8	6 (MB)	5.6.6	ALT CKM	4.854		TEMP (C)	4.0°		FUNCTOOTET	The local division in	-14.3		INCH CH.	124.2		MT (W/MT)	1.7.064.0		TOTALS	6. f8f = 81	121
DISTANCER 240 FT	POECTP	BEODE	1.436+34		: :		, ,			: .	•	: .	•	•	•			: -	3	9.7AF-12	+0+
DISTA	511E	(4)	3	64.7	196	1241	1518	3 4 5	21.12	, ,	3 4 5 6		2 1 1 1 1	3326	1617	3956	1214	100	•		
HZO FLIM RATE1 36 GP4	5.0UJ	36020	7.385+67	4.22E+17	2.2E+67	1.567+67	6.585+26	4.545405	1.675.66	201.04.9	10000	4.34646.4		3.535+64	1.115+05	5.758+04	2.975+64	2.65.500		5.622-61	115
FL 34 RI	3118	Ĵ	20	£,	9	3.2	192	122	142	4				122	7,	250	289	490			
	SCATTER	36086	E. 53E+38	3. U.SE+09	R. 79F+09	1.64E+10	2.12E+19	1.815+13	1.935+10	1.065+10	90 T T T T	4.77F		604.77.4	2.25E+09	2.85F+09	1.45 E+03	3, 165+09		5.27E-01	50
PPESSUPE	3218	CHO	2	.•	•	•	97	75	*	=		7	;	<b>3</b>	*2	20	2	3		, E	MED D
CAL FACTOP: 16.0 PPESSUPE: 13 3SI	(dk) d	256.0	ALT (KH)	4. 56 7		TEMP (C)	-12.5		FOOSTBOINT	-20.1		TAS (M/S)	4 2 4 4	1630		NT (N/M3)	2053940.1		TOTALS	8.33E-01	153
DISTANCEL 200 FT	al:3ba	pogge	2.425+14	;					•		ď			•	•	•		•		1.595-11	<b>303</b>
DISTA	3218	(F)	4.04	249	776	1241	1538	1935	2112	2429	2726	3023	212		121	3914	4211	4538			
HZO FLOW RATER 35 GPM	2,003	P203E	3.375+67	4.496+77	2.915+07	1.+15+07	7.145.06	** 0 0E+06	1.37E+f6	1.112+86	8.645+65	3.950+65	T. S. B. T. T.		C 14 10 0 0 0	1.125+55	4.3 SE+64	4.34E.04		6.7 45-61	127
FL3W R	321S	( <del>4</del> .)	23	r t	29	82	7.1	122	142	161	141	2,11	22.4			200	283	303			
	STATTER	\$4.79£	7.755+08	3. +4E+69	3.046+09	1.66E+10	2,125+19	1.83E+10	1.79F+19	9.41E+49	8.57E+09	3.95E+69	4.55F+00		C. 12E+49	2.77E+09	1.24E+09	3.06E+09		4.91E-81	0.2
ISe 01 JEanSSEba	SIZE	(H2)	~	•	æ	•	23	21	<b>3</b> 1	15	18	20	2	3 6	**	52	100	30		3	MED D

SAMPLE: 5P

AFFT INTES SPRAY TEST BY AFGL
F.ISHT EF9-83 OH PLANK 79 1 SENON AVERGENG
INTERAL STATE-99:38 44\*\*
PARTICLE SITE DISTRIBUTIONS (NUMBER/M\*\*3-44)
IYPE: RAIN SAMPLE: 88 SAMPLE: 88

CAL FACTOR: 16.0 107ALS 9.65E-81 125 FP0STP0INT -16.8 TENP (C) ALT (KM) TAS (14/5) NT (N/H3) 3246978.9 £3.5 DISTANCE! 200 FT 3.92E-32 5.75E+13 3.25E+11 PRECIP BETT ABROANDER AND BETT ABROANDER AND BETT ABROANDER ABR FLJ# RATES 36 GPM 9.20£-(1 122 2.00 7.086 S17E CAL FACTOR 1 16.0 PRESSUKE: 18 3ST M20 4.55E-01 19 SCATTER PROBE 7.81E-91 F= OSTPOINT -19.1 4LT (KH) 7E4P (C) -12.5 TAS (M/S) NT (N/43) 2367952.2 P (48) 7.01E+93 5.51E+91 DISTANCE: 200 FLOW RATES 36 GPM 7.336-61 S 12 : しいりじょうしょう とくこうこく とくしょうしょう かんかん いんりゅう かんしょう しょうしょう しょうしょう こくこう こうしょう PRESSURE: 18 251 H20 99.62 90.66 11.75 12.75 13.75 13.75 14.75 15.75 16.75 16.75 17 4.83E-01 29 SCATTER PROBE 4335545555

AFTO TOTAG SPRAY TEST BY AFSL
FLIGHT ET9-03 ON 21 JAW 79
1 SECOND AVERGING
INTERVAL STATE-OFF19842\*
PARTICLE SIZE OISTAINJIONS (MUNERA/HWS-N-H)
TYPE: ANIM SAMPLE AFFI ICING SPAN TEST BY AFFI F\_IGHT F79-63 OY 21 JAW 79 1 SECONO AVERAGING INTERALL STARTF-9f133143\* PARTICLE STYL DISFARING (NUMBER/40093-444) SAMPLES SB

CAL FACTORE TOTALS 0.64E-01 F405TP01WT -18, 7 ALT (KH) TEMP (C) -12.5 TAS (M/S) 124.8 NT (M/M3) 3053469.2 DISTANCE: 250 FT 2.75E+13 1.62E+11 1.78E+81 PRECTO PROSE 321S CAL FACTOPI 16.0 PRESSUREI 10 PST HZO FLOW PATEI 36 GPM 14.53 de composition 8.53E-61 115 °.00 ₹04° \$12E 860++++++2000+400 864+0000+10000+100 864+0000+10000+100 SCATTER PROBE 3.85E-01 19 707ALS 9.14E-81 121 F COSTPOINT P (MŘ) 549.9 ALT (KH) TEMP (C) TAS (M/S) NT (N/HE) DISTANCER 298 FF 4.29E+33 94E31P SI7c PRESSUPER AND ST MED FLOW PATER 35 FPM 7.32E+67 7.34E+67 3.96E+67 1.89E+67 9.965-61 3,000 22035 SIZE (10) 4.68E-81 28 SCATTER PROBE 4288888888888888

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SAMPLE	<u>.</u>	FLISHT E79-63 ON 21 I ATEMP THE PARTICLE SIPE DIST	-63 04 21 1 147 ERVAL 147 ERVAL 517E DISTAT		1 130 1457 (NU49E)	ING SPRAY TEST BY AFGL. JAN 79 I. SECOND AVERAGING STARTING 1381459 STARTING (NUMBER/A***)*** ER RAIN	Ing	SAMPLE 1 08		4FFT; -03 OM ; INTERV SI7E OF	AFFI: ICING SPRAY TEST BY AFFI FLIGHT E79-03 ON 22 JAN 79 SECOND AVER INTERNAL STARTIONS (NUMBERYMOOS-NUM) PARTICLE SITE OISTRADATIONS (NUMBERYMOOS-NUM)	1657 B 178165 (NU4852)	est by Afgl 1 second Averaging 8 (48° Uaberyhoosama)	2
PRESSURE: 18 PST	=		HZO FLOW RATE	ME 36 GOW	11514	TISTANCER 209 FT	CAL FACTOP: 16.	CAL FACTOPI 16.0 PRESSUREI 10 PSI		FLOW RA	HEO FLOW RATER 36 6PH	MATSIC	DISTANCE 1 288 FT	CAL FACTOR!
\$12E (MJ)		SSATTEP PROBE	377E (W)	5,037 P2095	\$126	P4607P P2095	5.9.6	\$112 (UH)	SCATTER PROBE	STZE	0,0J)	3218 (NH)	PRECIS	6.0.0 5.0.0
<b>~</b> .+ :		1.43E+09 5.23E+09	23		3.5	5.18E+13 1.62E+11	4LT (KM)	<b>&amp;</b> &	1.566+09	2 T	日本は日本のできる。	33	9.71E+88 3.24E+91	417 (KM)
** 3 !		1.84E+10 1.76E+10	(		17241	0.00	TEMP (C) -12.5	<b>9</b>	1,916-18 1,916-18 1,616-14	222	1.325.67	1261		TEMP (C) -12.4
2225		1, 10 E + 17 1, 17 E + 14 5, 7, E + 69 5, 11 E + 69	191	2.115+60 1.16+60 1.10+60	2112 24.9	းမံ့ ကို ရ	FROST-OINT -18.7	2 2 3 4	1.256+10 1.156+10 5.816+69 4.616+69	127	3.45F+60 1.74F+60 2.45F+60	26.32		F20STP014F -18.9
25.23.2		2.73F469 2.50E+09 1.35E+09 1.65E+09	2222	######################################	8835 8835 8835 8835 8835 8835 8835	00000	125.0 125.0 17 (N/HZ)	2 0 0 3 % 0 0 0 0 0 0	2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	2422	4.50 4.50 7.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1	1023 3326 3617 1914		TAS (M/S) 124.9 NT (M/N3)
2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		7.1/5.08 1.65 E-89 3.15 E-61 19		3.5 345 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		7. 0. 2.79E-32 413	C7 C00 (4.0 T01 ALS 6.62E-01	25 25 26 26 27 27 27 27 27	7,775+03 1,556+03 3,026-01 19	011	1.116.05 1.116.05 9.196-61 124	9069	6. 6.525-12 687	1018+80 1.018+80 1.29
SAMPLE	E	AFFT INTER PARILLE STIE O	THE TELL TO THE	1247	1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	TIMG SPRAY TEST BY AFSL JAN 79 1, SECOND AVERSTING STATIT OF SBRAA* STBUILLOYS (NUMBER/14**3-MY)	TN G	SAMPLE 8 6P		14FFT3 20 3 20 1 14FR 01	AFFI: IDING SPORY FEST BY AFGL FIGHT E79-03 DN 21 JAN 79 I HERRAL STATIODISSEASO PARTICLE SIZE DISTABLINS (MUMFR/WOOS-NU) I VDZS RAIN	1557 S 1 SE 133146*	Y AFGL COND AVERAS (MO. 3-44)	9
PRESSURE	97	18 BSI 420	FLOW	RATE: 36 GOM	11314	JISTANCEL 200 FT	CAL FACTOP: 16.0	.O DRESSURTE 18 SSI		FL 3W RA	420 FLJW RATEN 36 GP4	NELSTO	DISTANCED 200 FT	CAL FACTORE
STZE (MU)		SCATTER PROME	S12E (4J)	GL 0 J9	S126 (9J)	PRESTA PROSE	6 (48) 569.5	SIZE	SCATTER PROBE	112 E (40)	0.003 P233E	S12E (40)	PRES10	P (48) 549.7
W # W		2.16E+09 6.76E+09 1.66E+18	% <b>4 %</b>	1.02E+15 9.23E+17 3.33E+17	323	6.45E+13 1.67E+11 0.	ALT (KH) 4.858	<b>0 €</b> 10	1.05E+09 4.82E+09 1.13E+10	12 T 13 T 14	8.85E+67 4.52E+47 3.11E+07	733	5.50E+1? 6.50E+81 1.71E+91	ALT (KM)
11 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		1.865+18 1.565+18 1.155+10 1.815+10	125 122 142 142 143 143 143 143 143 143 143 143 143 143		1241 1538 1535 1335		TEMP (C) -12.4 FROSTPOINT	<b>*</b> 5 3 3	1.96E+10 1.96E+10 1.56E+10 1.59E+10	1222	1.77E+07 3.64E+06 4.52E+06 7.52E+06	1241 1538 1835 2132		TEMP (C) -12.4 FROSTPOINT
		6.55E+19 6.21E+79 2.17E+09 2.13E+09	22122		10000 10000		-18.8 TAS (M/S) 125.8	2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	8.89E+09 7.23E+09 3.29E+09 3.67E+09	75. 75. 75. 75. 75. 75. 75. 75. 75. 75.		2726 2726 3826 332c	,,,,,,	-10.9 745 (M/S) 124.6
26 25 25 25 25 25 25 25 25 25 25 25 25 25		1. 4.E. 4.9 7. 4.7 E. 6.9 1. 4.0 E. 6.9	200 E	1. 4 4 4 6 6 6 7 4 6 6 6 6 6 6 6 6 6 6 6 6	4 1 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6		12 (N/M3) 3288859.2	32 S S S S S S S S S S S S S S S S S S S	1.725.44 2.345.49 1.815.489 2.285.489	765 765 765 765 765 765 765 765 765 765	7.64E004 5.27E004 3.58E004	3914 4211 4211		2642775.6 Three c
U NCO	~ 0	2.75E-81 19		9.426-01		4.31E-32 406	9.65E-01 127	CHC MED D	4.11E-01		7.10E-01		6.11F-32 618	7.51E-01 118

16.0

:6:

<b>9</b> 41:	CAL FACTOR	F (18) 551.1	ALT (KH)	f. 1 t 9		1 1 1	B • 11-	F & OSTPOT WT	-23.7		TAS (M/S)	121.5		MT (M/M3)	5.06101		1015.		:		146			CAL FACTOR!	P (#8) 551.2	ALT (KM)	4.947	•	TEMP (C)	-11-	FROSTPOTHT	-63.7		TAS CA/S)	121.4			357738.8	TOTALS	2.106-01	2
5000 AVERAG (CONO AVERAG (/H++3-N4)	TISTANCE: 300 FT	PPECTP PPOBE	7.185.13	ċ	÷,							ċ			•	•	. 666.43	21-300-4	;	1000	COND AVERAG		(hb-E -e4/)	DISTANCEL 300 FT	PRECIP	1.425+34		•	<b>:</b>	<b>-</b> .		: -		÷	3		:	•	•	9.34E-32	į
151 1 1 35 135 1 26 08 UM 85 4	TETEN	\$12F (#U)	7	66.7		1421	17.0	2132	242	2726	3023	321	3617	3914	4211	203				1001	15.3	135127	E STATES	DISTAN	SIZE	;	6:7	ž	1525	1536	2432	242	324	3823	3320	3617	3	127	;		
AFFI: ICIMS SPRAY TEST BY AFGL. FLIGHT EP9-64 DH 21 DAN 79 1 SECOND AVERAGING INTERNAL STRATION 1558280 PARTICLE SIZE DISTABULIONS (NUMBER/NOO3-NU) IYPER RAIN	FLJH RATEI 15 GP4	A 00.5	1.536.07	1.15E+87	4.996.4	1.135+06	4.04C+1.3	2.376+05	2.6 35+75	2.275+(5	1.245+15	6.915+64	•	7.10E+L3	1.42E+14	1.275+54		10146	*		- 101MG STARY	147 FR4AL 578416 900 851 274	TYPEL RAIN	HZO FLOM RRIEE 15 GOW	C.0U3	1.235467	9.516+06	4.15E+L5	1.696+66	1.205+06	7.55F+C.5	2.63E+63	1.146+03	6.286+0%	3.416.64	7.586+64	4.545.4	Z.64E+44		1.235-01	151
AFFT 1 VIER SINE D		SZZE	23	*	29		107	1.2	191	131	207	221	7 47	263	28.	100					10 20-	35 F 1	0 3275	FLOW R	\$17E ( 49)	6	*	9	2	25	221	191	191	291	12.	4	9	92			
FLIGHT EP9- PARTICLE	02H 184 0	SCATTER PROBE	3.765+07	6.29E+07	2.85E+C#	0.025.00	3.70E+38	2,946+38	2. b9 £ + 0 B	2.16E+08	2.566+08	1.582.008	6.022+07	3,766+07	1.516+47	3. 015+87		1.1/2-02	£ 1		F. IGHT E79		PARTICLE	10 PSI H20	SCATTER PROBE	;	7.54E+06	2.26E+07	1.176+08	6.79E+17	7.545407	3.775+67	3. 77E+07	2.26E+07	3. 77 E+07	7.54E+86	•		;	1.725-05	<b>9</b>
SAMPLE 9	8.0 PRESSURET 18 PST	3178 (MH)	~	•	•	•	3 :	9 -9	· •	61	92	72	*2	92	52	2	•	2			SAMPLE			B.O PRESSURER 1	S12E (HJ)	~	•	.0	•	2 :	27	51	5	92	22	<b>1</b> 2	52	5 <b>5</b>	•	TAC	460 0
SM1.	CAL FACTOD	p (*€) 551.3	ALT (KH)	4.846			-7.14.0	FRIOSTPOTAT	-23.6		14S (4/S)	121.9		NT (N/H?)	51055*1		STRICE	70-364-5	Ŷ <b>,</b>		ING			CAL FACTORS	F (Ma) 551.2	BLT (KH)	4.847		TEMP (C)	-11.8	TMTOGTSUCE	-23.6		TAS (M/S)	121.7		N (8/43)	.88451.1	TOTALS	1.186-91	112
CING SPRAY TEST BY AFGL. JAN 79 1 SECOND AVERSING STRATIGOTISTER'S STRATIG	TESTANCE! 300 FT	P4E519	1.526+14	;	٠.	•	• •	. 6		•	ě	.;	•		;	•	61 -160 0	75-1/6.06	*		ST AFFL SCOND AVERAG	START 1 # 0f 135125 #	2/H++3-H4)	DISTANCER 530 FT	945C48	0.	ő	•	•	. ·							à.	•	;	;	•
1 1 3 1 1 3 1 1 5 1 2 4 1 1 5 1 2 4 1 1 5 1 2 4 1	11574	\$12E (*3)	101	247	7	12.1	1835	2132	2429	272€	\$775	1320	3617	161	4211	4518					- 53	135125	EN UN RE	31514	S12E	101	547	316	1247	1538	2132	5429	2726	3023	1326	3617	16.	1124			
AFFT TOTMS SPRAY TEST BY AFFGL BY ON 21 JAM 79 1 SICOND AVER TWERVAL STATTHOUGHSTSTY STYE OLSTREWITONS (MUNESAMMENT-MM) TYDE: RAIN	4151 15 604	0,000 P208E	1.556+67	1.302+67	5.325.06	207600	1.011.460	4-140+15	2.366+65	1.385+35	0.145444		4.775+64	3.3 8E+C4	3.335.46	2.725+64		73-30-7	577	10 10 10 10 10 10 10 10 10 10 10 10 10 1	7 5	: =	TYPE SAIN	PATE! 15 654	2,000 2,000 2,000	1.425+67	1.355+07	5.396.60	2.375+05	1.4/6.05	4 - 4 5 - 1	1.345+05	5.57E+04	1.245+65	6.932+64	•	; .		;	1.186-01	211
AFFTS -03 ON INTERV	FL 3W RAT	3218	23	F (	9 9	2 0	122	145	161	181	111	176	241	263	3,5	5					-63 04	TATES	SITE DIST	FL 3#	3.12 (M)	23	* 4	29	K : (	291	142	161	181	201	2			5	•		
AFFT TO FIGHT EPS-03 ON 21 INTERVAL PARTICLE SIZE DIST	02H 15c 01	SCATTER PROBE	9.76 8+67	3. 53E+08	1.195+09	20 4E + 0d	1.465+09	1.10E+49	8.536+04	9 36+35	b.91E+08	5.78€+68	3, 30E+08	1.596+68	7.516+67	3.755+47		7267**	£		F. 16HT E79-03 OV		PARTICLE	10 PST H20	SCATTER PROBÉ	1.506+17	1,435+08	3.085+94	6.31E+08	7.04E+US	3.715.08	6.13E+48	3.46£+89	1.73E+68	1.75+90	0.27E+U7	3.752.97	3.76E+97		1.38E-82	**
SAMPLE 1 9	PRESSURE: 10	SIZE	~	. و	۰ ص	r Ç	2	1 3	97	1.0	20	22	2 <b>.</b>	\$2	<b>52</b>	2		2		9				PRESSUPE: 1	SIZE	2		•	•	3 5	4 4	16	10	2	2.5	ž.	\$ 3	2 2	•	26.2	MED 0

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9	CAL FACTORS	F (MB) 551.3	4LT (KN)	16HP (C)	Frostpotut -23. 8	145 (4/5)	434665.2 10TALS	1.57E-01 164	9
EST BY AFGL   SECOND AVERAGING   SECOND AVERAGING   SECOND AVERAGING	DISTANCES YOU FT	PRECIP	5.17F+33				• • • p = 6	5,37E-32	FEST BY AFGL 1 SECOND AVERAGING 19831 UMPER/WOO3-M4)
1 5 5 1 8 5 1 8 5 1 8 5 1 8 5 1 3 9 6 1 8 5 1 3 9 6 1 8 5 1	NAT SIC	1218 1410)	936	1518	2132	1320	1811		1 3 E
AFPT: ICING SPRAY FEST BY AFGL FLIGHT E79-83 ON 21 JAM 79 1 SECOND AFER INTERPAL STRATICOBISSISS PARTICLE SIZE DISTANCEDITONS (MUMBER/Morst-44)	HZO FLOW RATER 15 6P4	280%c	1.255407	7.115.06 9.865.05	1.175.65 1.175.65 1.156.65 2.166.65	3.128+04 5.956+04 0.	3.175+F3 1.635+64 1.655+04	1,336-01	AFFT ICHG SPRAY TEST BY AFGL 155CMD AVER 14794 155CMD AVER 147PART TRATE-PBRSSSS PARTICLE SIZE DISTARBUILDUS (NUMPER/Neesy-444)
AFPT. 145 04 141 EPN 517E 01	FLOW R	STZE	6: 9 K	2000	161	22.2	289 300 300		AFFT. 14159 SIZE D
FLISHT 579 PARTICLE		SCATTEP	1.526+37	1. 36F+08 1. 52E+08	6.07E+C7 7.53E+D7 6.87E+D7	2.27E+07 3.79E+07 3.73E+07	7.58E+16 0. 0.	2.67E-03 19	F_ITHT E79 PARTICLE
SAMPLE 1 9	CAL FACTOR: A.B DQESSURE: 18 PST	SI7E	N + v		9 9 e	25 25 26 27	9 er ta N N P	HED 0	SAMPLE 1 9
9 <b>HI</b>	CAL FACTORS	P (M9) 551.2	467 (47)	TEMP (C) -11.2	FROSTPOINT -23.8	14c (M/S) 121.0	NT (N/M3) 264113.1 TOTALS	5.81E-52	ING
TEST BY AFGL 1 520MD AVERAGING 185129* INUMMER/M**3-M4)	DISTANCES 178 FT	PRECIP	, . e e e				• • • • • •	•	1 5 CONJ AFSL 1 5 CONJ AVERASING 155123* 1344652/4**}-44)
	1210	S12t	4 7 7	1241	2429	332E 332E 3517	4914 4211 6518		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
AFFI ICING SPOAV FEST BY AFGL FIGHT EP9-03 DW 21 JAN 79 1 SECOND AVER INFERAL STATTH-UP 15929 PARTICLE SIZE DISTRUBLIONS (NUMPER/M**)-WY)	H20 FLOW BATE: 15 504	CL0UJ	1.166+07	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2.885.455 1.365.455 3.587.465	5.27E+f+ 3.425+f+	• • •	6.91E-62 112	AFFT ISING SORAY TEST BY AFSL FLIGHT E79-63 OV 21 JAN 79 1 35CONJ AVER INTERNAL STARTHOUTSSE23* PARTICLE SITE OLGTZI3JTIONS (NUNGEZ/W**)-W4)
AFFT2 T 14 ER / AL 14 ER / AL 512 015T	FLOM P	3775	# F 6	0 ft 60 ft	744	122	13.50 13.50 14.50		AFFTT I INTERVAL SLTE DIST
FLIGHT E79 PARTICLE		SCATTER PROBE	0. 2,27E+07	1. 24E+88	5.29E+67	4.54E+67	7.55€+06 0. °.	2. 15-03	F_ISHT E79 PARTICLE
SAMPLE 8 9	PRESSURER 18 PST	\$12E (MJ)	B1 +1	0 e a ;	332	2882	3 8 8 3 8 8	L 4C RED D	SAMPLE 8 9

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CAL FACTOR: 8.8	P (48) 551.1	ILT (KM)	4.846		TEMP (C)	-11.1		ROSTPOINT	-23.9		T15 (M/S)	128.5		C C C C C C C C C C C C C C C C C C C	330 226.7		TOTALS	6, 33E-02 1.16
DISTANCE: 300 FT (	3608d		;	÷		•	•		<b>:</b>	ć	-	•	÷	-		<b>.</b>		- -
01574	S17E (MJ)	3	647	*	1541	1538	1635	2132	5429	2726	3823	3320	3617	3914	4211	4518		
FLOW RATEL 15 GPM	2_0UJ 2238 <u>2</u>	9.332.6.6	4.425+66	5.17E+u5	1.468.45	7.176+05	7.76€+05	1.33F+£5	1.062.05	1.436+05	5.25E+04	•	1.82E+0.	•	;			8.33E-02 116
FLOW R	\$126	F 62	Ţ	9	8	102	122	142	161	181	202	22.	142	260	28.0	390		
02M 1Sc 01	SCATTER PROBE	1.63E+07	4.56E+07	1.14E+48	2.23E+98	2,135+08	1.146.03	1.44E+68	9. 67E+07	8.35E+07	3.045+07	2.28E+07	2.28E+87		7.595+86	2.29E+07		3.66E-03 18
8.8 PRESSURER 10 PST	SIZE	~		æ	•	94	1.2	1	12	91	50	27	24	26	82	90		LWC 0
CAL FALTORS	P (#9) 551.1	ALT (KM)	649.7		(C) dH3.	-11.2		F=OSTPOINT	-23.8		TAS (M/S)	121.0		NT (N/H3)	265338.1		TOTALS	7.396-02
DESTANCES BER FT	P239E	ġ,				;				•	9.	:				9		9.
DISTAN	512¢	164	6.4	4 9 6	1241	1538	1815	7132	2429	2726	3323	3320	3617	3914	4211	4508		
Hat 15 121	7_0J3	7.595.06	5.365+65	3.630+65	1.365+66	1.372+65		1.325.05	7.926+04	2.958+64	6.226+64	•	3.5 GE+3+		;			7,395-02
HZO FLIW RETER 15	3176	2.3	M.	69	82	102	123	142	161	191	23.	1.22	147	260	24.3	13.3		
	SCATTER PRORE		2.27E+07	5.29E+1.7	1.745+88	1.296+08	7.56E+07	5.295+37	4.5.8+87	2.27E+07	6.61.6+07	3.785+67	3.02E+07	7.56E+06				2.49E-83 28
ORESSUPE: 18 oST	S17:	^		•	•	10	12	3	97	1.9	82	22	42	92	23	30		160 0 160 0

98.5	CAL FACTORS	951.4	ALT (KM)					FROSTPOTAT	-13.4		145 (4/5)	****	MT CHAMES	526678.6		TOTALS	1.216-11	•	rac				CAL FACTOFF	(40)	421.1	ALT (KM)	6.049	TEMP (C)	-11.3	Canadanata	-26.8		TAS (N/S)	2.611	at cavass	569968.0		107.0.5	217	
87 AFGL ECOND AVERAG */H++5-441	DISTANCE: 348 FT	3601e	:	i.	-		: ci		;	•	<b>.</b>	:.	-	: .:	:		.:	-	131 97 APGL		( No t -44)		BISTANCEL NOB FT	PRECIP	PR0 9E	1.656+14			•	j.	: -	-	:	÷.	3	: -:	:		10-26-1	
1 151 3 1 1 5 1 36 1 1 0 0 0 0 0	AT \$ TA	\$12E (40)	7	2			1838	2132	6242	2726	3853	3356		4211	1530	,			1651	58 15 8 1 3	- CH CH P		91514	3215	Ş	3	49	1247	1938	1635	26.2	2726	3073	3320	7 5 6 7	4211	4598			
RFFT: ICING SPRAV TERT BY APEL FLIGHT E79-63 ON 21 JAM 79 1 SECOND APERAGING INTERAL SIRETING 195136 PARTICLE SITE OSSITANTIONS (MUNOCALMOSS-441)	420 FL JW RATE! 15 GD4	CL 040	7.702.67	1.325.67	9.825.6	300000	7.475+65	2.605+65	2.415.65	9.67E+0.6	3.1.55	1.67F+T4	4 . 3 . 2 . 4 . 4 . 4 . 4 . 4 . 4 . 4 . 4 . 4	: -	: :		1 - 2 0 E - C 1	199	22 144 20 SPERF TEST BY APOL	・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・	PARTICLE SIZE DISTAINATIONS (NUMBER/NEGAME)		420 FL34 P1TE1 15 GP4	COU.C.	2035	1.785.77	1.616.67	3.5 32+66	1.046.66	1.285.05	2.616+65	2.1 BF+ 05	6.322.4	2.6 XE+C 5	9.565.004	3.316.6	2.365+04		1.566-71	
4FFT 1475R 517E D	F. 34 R	5172 (36)	2.3	**	2 .		2.2	3	191	191	2	<u>.</u>	1 0 7 6	26.3	200				7 4 6 6	45.17	S126 n		F. 78	\$115	ŝ	23	3 3	92	1.42	122	4	161	291	77	243	288	29			
FLIGHT ETP PARTICLE		SCATTER PROBE	7.566+87	2.685+88	7.236.00	1140540	1.5564.0	8.585.08	7.235+98	6.97E+38	6. 64 6 4 6	2.916.08	1.33.440	2.365+07	2.336.37		2.895-02	61	6 15.44 630		PARTICLE			STATTER	> ROME	1.156+08	3,15E+08	2.485+89	1.676.09	1.375.09	9.205+08	9.83E+08	7.68€+08	5.14E+68	2.925+66	6.916+07	5.376+87		20-368-4	
SAMPLE 1 9	PRESSURE: 18 PSI	\$ 12 <u>5</u> (MU)	~	•	٠ ٠		2 -	: 2	ș1	2	2	25		2 2	2		3	MED 3	SAMPLE: 9				15c 01 sEanSSEac 0'9	\$115	() E	~		•	77	21	<u> </u>	=	20	22	2.2	2 6	<b>.</b>	5	HEO 0	
	9: 9:																																							
9 E	CAL FACTOD	6 (49) 551.2	ALT (VW)	4.847			1111	F.OSTPOINT	-23.9		TAS (4/5)	126.1		176419		TOTALS	1,036-71	115					CAL FACTORS	(Bh) a	551.4	ALT (KH)	4. 845	TEME (C)	-11.1		B 1021 COX 4		TAS (M/S)	120.0	122777	537285.9		TOTALS	1,42E-91 131	
(M3 502AV TEST BV AFGL JAN 79 1 SECOND AVERAGING ARATI 198185 32* (SUFICUS (MUMBER/40+44)	DISTANCE: 308 FT	PRCTP PR096		.3	<b>.</b>	<b>.</b>				•	•	÷.	•	: :		3	.;		IV AFGL	JAN 74 1 SCOND AVERBLAND THE STREET	/4ee3-44)		DISTANCE 379 FT	aI 0 3bd	36C00	0.		• ·			• .		•	;	ė.	• :	:		•	
TEST 8 1 SE 135132* (NUMBER	N \$ 7 \$ 10	3212	404	6.47	3 46	1641	1220	21.12	545	2726	3023	1326	3617	3167	121				7257	1 26	5		01574	3/15	£	7 01	2.	124:	1538	1935	2612	2726	3023	3326	3617	4211	4500			
Y 24 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4	84TE 15 6P4	2-0UJ	1.116.67	1.055.67	7.1 4E+ E	1.3/500	1.77500	7.59.41.2	2.9 3E+65	1.726435	3.1 35 + 1 4	3.435+64	•	•	• -	<b>;</b>	1.135-01	115	TOTAL SPRANTEST BY AFGL	21 344 74	Chi-Each/250 DDN) SHCIIDISIU 5215	MINN IN	NE 15 624	2,003	36020	1.555.47	1.655.67	2-6-5-6	1.775.06	4.925+	C 3 C 3 C 3 C 3 C 3 C 3 C 3 C 3 C 3 C 3	1.155.65	2.926+65	6.366.04	7.57E+6+	• •		;	1.4 2E - 61 1.51	) )
40 30 18 19 19 19 19 19 19 19 19 19 19 19 19 19	FL 24 PA	1745 1745	2	5		N (		162	<b>19</b>	191	162	121	3 %			•			1507	PC 50-	\$175.0		FL34 PAT	5178	<b>F</b>	23	<b>.</b>	. «	2	152	<u>.</u>	181	23.1	221	747	2 8 8 7	2			
AFTIGNT EF9-83 OV NATER PARTICLE SIZE	16 9ST 420	SSATTER PROBE	3.855.67	6.195+37	9.935+07	2.86E+05	2,535+08	1.435	1.07E+68	1.145+48	9.936+87	3.655+07	4.576+37	2.285.07	7 4 3 5 7 4 7 V	:	5.23E-C3	19		P. Mac. 15 No. 50-673 TM21.74	PARTICLE		13 551 420	SCATTER	3238	3.636++7	1.07E+08	3. 30 E + E B	0.715+68	5.44E+13	2. /55 468	4.27E+08	2.756+09	2. u6E+98	1.535+69	4.235.407 4.816.07	•		1.61E-02 19	ì
SAIPLE 1	PRESSURE: 11	SIZE	8	•	•	•	3	2 4	97	3	87	22	*	92	B, 5		9	O OJH	SAMPLE 8 3				PRESSURE 1	3115	C.F.	~	٠ •	<b>.</b>	, 51	21	::	2 5	82	22	*	8 <b>8</b>	3 🗷	1		

3.14 <b>6</b>	CAL FACTORS	9.188 951.2	1,017	1f4P (f) -11.5	F=OSTPOINT -94.1	118.6	679671.4 579671.4 TOTALS	1.796-01	y M	TAL FACTORS	5.125 551.2	4, 647	15 4 CO - 41.5	F 20 STPOTHT -26.1	TAS (M/S) 119. T	4 (M/H4) 4 8 1186. T	707 ALS 3.30E-01 194
17-27-28-28-28-28-28-28-28-28-28-28-28-28-28-	DISTANCE: 188 FT	SIZE PRESIP	47.4			4 4 2 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		;	1 557 89 455. 1 557MO AVERAG 195139- 14U4#52/4047-441	DISTANCE: 480 FT	SICE DESCRIPTION PROPERTY.	484 1.79F+14 647 3. 944 8.			3023 0. 3329 0.	4915 B. 4211 B. 4598 B.	1.186-91
AFFI ICING SPAN TEST BY AFEL INTERESTING BESAGING PARTICLE SIZE DATABATIONS (NUMBER/MOSS-NA)  PARTICLE SIZE DATABATIONS (NUMBER/MOSS-NA)  IYPES AND	FL7W PATER 15 GP4	5175 CL 0U3 (4U) PROFE	23 %.36E+67 43 1.58E+07		10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1		261 4. 733 1. 33. 3.	1.796-61	AFFT, TURE SPARY TEST BY AFFL TEGHT ETG-03 IN 21 JAN 79 1 SECOND AVERAGING TERESSESSES PROPERTY OF THE SECOND AVERAGING TO THE SECOND TO THE SECOND AVERAGINA (MUMBER/AMPAN) APPER RAIN	FL34 RATER 15 GP4	3EC22 (14)	23 2.675.87 ** 1.675.07 62 7.315.05	•	161 3-250-05 151 3-250-05		250 3,410,464 250 3,420,464 346 3,400,400 346 346	2.12E-81 12.
9 F.15MT E79-6" I PARTICLE ST	429	SCATTER PB096	7,716+67					3,546-0?	9 FLIGHT E79-83 T TOME F79-83	M 20	SCATTER PUDBE	20 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				5-3-3-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5	5, 29E-62 0 19
SAMPLE	8.8 FPESSUFEI 18 251	(CR)	* + V	* B	4 3 5	2221	32 5 6 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	(A)	SAMPLE	Se BE SENESSING B'S	(f,#)		<b>€</b> ₩,		25.5		03x
3M2	CAL FACTORS	P (#4)	411 (144)	111 (j.)	F = 05 TP 0 TM T	115 (4/5)	87 (874) 573816.3 1014:7	1.955-31	: w15	CAL FASTOR	7 (MB) 451.3	ALT (KM) 4.865	7EMF (C) -11.5	F-051F01WT-26.0	185 (M/S) 118.9	NT (N/H3) 717234.5	70FALS 2.67E-01 131
MG SPAN TEST BY AFGL 1 SECOND AJERATHS 1 SECOND AJERATHS 131204 S (4UMPEX/Mee). M4) 241N	DISTANCER 308 FT	Succe (fm)	F (3 )		1935 G. 2432 G. 2420 G.	10 10 10 10 10 10 10 10 10 10 10 10 10 1	3311 4511 4511	21-12-12	TAST BY AFGL A STOOMD ALTRA- SERVE THE STANDARD AND STAND	DISTANCES 309 FT	ábled (fh) alí≅ac 3ZIS	60 1.655013 607 1.736038		24.30 de 27.00 de 27.		3321 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1195-32
2 15186 SP3AY TE 21 3A4 79 4AL 57481 + #9935 18772 511 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15 G2M	7, 200 98086	65.67		3 4 4 6 5 3 8 5 4 6 5 3 8 5 4 6 5	326+15 326+15 326+15	m a d w	1.475-C1 134	145 SPAN 144 79 STAPTEGE 1 3AI	15 6.4	34032	1.375467		2254 ( 5 5754 ( 5 5754 ( 5	276-65	10.00 E	1.35£-(1 125
APF1. [5] 5. 13 0M 21 J 18 FRAL 5 PARTICE 4125 019121	SE HED FLIV RATER	SCATTEP \$125					6.11F.036 6.15F.67 3.84E.07 2.31E.07	7.13E-62 19	AFFTS ISHT E79-01 THE ZI	PSI MED FLIM PAYER	32ATTE8 317E	1.696+09 23 3.336+08 43		1.135.09 1.135.09 9.945.08 1.51		1.15E+03 /41 4.62E+C7 /81 6.16E+07 /91	20-1
SAMPLET 9 F.	PRESSUKE: 10 ºSI	S 321 c					2 4 4 6 6 4 4 6 6 4 4 6 6 4 4 6 6 4 4 6 6 4 4 6 6 4 4 6 6 4 4 6 6 4 6 4 6 6 4 6 6 4 6 6 4 6 6 6 6 4 6	LEC 3 MED D	# 60	PRESSURET 10 PSI	\$ 171 <b>S</b>					3 4 6 18 10 10 18	_

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SAMPLES 9 SFFT SFFT SPAN TEST BY AFGL	FINGET EYG-63 OR 21 JAK 79 1 SUCOND AVERAGENCE TARRELES STANFERBENSSELVE	PARTICLE SIZE OFSTREGITIONS (NUMBER/MP#1-44)	
BIFE & AFFT TOING SPRAY TEST BY AFOL	F.ISHT EP9	PARTICLE SIFT DISTANCE OF THE PARTICLE STORY	
CAMB! F.			

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	CAL FACTOR	P (FB) 551.3	111 (KH)	6. B4 6		20.	0.77	FROSTPOTAT	4.46-		TAS (M/S)	117.6		WT (M/M3)	154951.1	4016		70.754.1	163	583			TAL FACTORS	( a a ) a	551.1	ALT (KM)	4.645	15.40 17.			FOOSTPOTMT	-54.4	***	TAS (M/S)	111.63	NT (N/M3)	27 1193.5		101415	161
	DISTANCER 300 FT	98C54	.;	•	;,	•	•	: =				: ;		•		3.	•	:		COME AVERASI			DISTANCER 100 FF	dIC 3ec	<b>3€</b> C a d	1.675.13	1.7 76 + 31	••	•	: :		•	•		: =	: :			1.176-39	*11
	DISTAN	3215	75	5.6.7		1641	2 2 2	21.12	0016	2776	1323	3326	1617	3914	4211	* 57 €				1 35	145163	111111111111111111111111111111111111111	71510	\$126	Ĵ	3	5	3 .	7 7 7 7	1835	2132	5429	3776	3323	1617	3914	+211	4584		
IVDES REM	HZO FLOW RATER 15 GPW	070 TC	1.306.67	必須をお門ので	4 4 4 4 4 4	004:00:0	7.601617 4.64164		2 1 5 2 4 5 5	1.76645	4.47.7.2	7 7 6 2 7 6 7	3.8 15.6		:			19-36-7-1	163	AFFTT TOTNG SPARY TEST BY AFSE. ON 21 JAN 79 1 SECOND A	I digatal Stattedposts the contract of the con	TYPER RAIN	420 FLOW RATER 15 GPM	(16.0	3504c	1.255.67	5.255465	3.325.16	7 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6.515.65	1.395.15	1. 465 + ( )	- 3 2€ + C →	4,215.4	3.9 30.0 6	3.6.25.04	1.586.1	1.165.66	9.156.62	140
-	FLOW RE	\$12E (40)	23	<b>3</b>	<u>.</u>	2 9		1 1		1 2		121		25.3	283	333				NO 10.	I MER!	5 C	FLOW R3	5115	(1.0)	24	<b>y</b>	2.5		122	1	161	191	7	,	26.0	29.9	1.0		
		SCATTER PROBE	2.57E+68	7,315+68	1.985.59	7 3 4 14 5 4 v	3.000.00	2 2 2 2 2 2	6 7 2 6 6 6	2-646403	0,454	1.3.6.6	1.026+19	6.51E+to	1.635.48	1.796+68		10-240-1	0.7	F.IGHT E79.		SOIS PISTANA		STATTER	3818€	2.34E+88	8.115.58	2.32E+69	604040	7.1354.9	2. 436+09	2. JOE +09	2.46E+09	1.535.09	1.425.09	5.45E+0.8	2.26E+08	1.736+88	17 6.01	20
	PRESCURER 10 PSI	SYZE	2	•	. о	•	2:	: :		2		2.0	2	56	<b>53</b>	33	3	3 6		SAMPLE1 9			PRESSURE 13 PSI	3112	(DH)	•	•	er a		2		15	<b>57</b>	50	77	3 %	82	30		MED D
	CAL FACTOR	551.2	ALT (KM)	4.847			-11-6	To To Care Section 7	1011011	1 • • • • • • • • • • • • • • • • • • •	13/7/ 341			NT (H/M2)	1.164.593.1			Z	291	INC	•		CAL FACTOR	G .	551.3	417 (44)	4.846			-11.	FROSTPOINT	-54.1		TAS (M/S)	116.7	11 (N/H3)	479765.1		101ALS	155
	DISTANCE I SON FT	PRECIP	9.652+13	.:	•	•	;,	: •	. ئ	•	• .	: :	: :	: :		e;		F. 378-12	9 E 3	SV AFSL COND AVERAS	THEST SEADTS STALLS	C++-K++/2	DISTANCER 398 FT	010700	Subed	7,256433	7.	ė,	•			•	3.	<b>.</b>	, i			:	4 775-13	70 7
	PISTA	S17E	404	2 49	36.	1541	1558	1 2 2 2	2572		0 6	30.5	3617	3916	121	£ 23 a				1551 8	171581	Ed Ffin)	71574	3775	Ę	40,	5+7	3 6	1771	1257	2112	2429	2726	3023	126.	3 65	4211	+506		
HIVE IEGAL	TE1 15 Gam	3L 040	2.2 35+6/	1.925007			9.480.465	4.47.400	5.535.65	6.90.00	10426412	- C - C - C - C - C - C - C - C - C - C	7426	4.545.434	1,335+64	1.770.64		1.5 35-(1	127	TUING SPORT TEST BY AFOLD PT 144 79	AL STAPTS JA	ISTOLAJTIONS IVOST RAIN	MES 15 CEM	נוני	36066	1.995.407	1,245+17	5.185.45	1342246	1 2 3 5 4 6 5	7,517415	1,355.0	3.722+64	4.345.4	9	4.45666	1942644	1.305+64		11256-61
-	420 FL 34 P1T	\$72E (49)		,	24	32	<u>;</u> ;	77.	16.7	5	, , , , , , , , , , , , , , , , , , ,	: :		4 6	2.90	3.3				. 30 Fe	1.11.20	11 15 15 10 11 11 11 11 11 11 11 11 11 11 11 11 1	450 FLIW RATES	: (1)	3	23	*	20	K)		4 4	151	131	1,1		1 4 5	£	33		
	150	SCATTER 2239E	2.3JE+68	4.926.4	1.4JE+09	2. só£+03	2.7.5+09	2,156+63	1.935+09	1.335+63	1.602.0	1.65 + 63	5.225e18	3.156419	1.395+08	1.615+69		7.416-02	50	TO THE TAXABLE TWO TR		PAPTICLE		671163	360%	2,285+64	6. 325 + 8	1.75 . 19	** 46E+89	7.73E+69	2.486489	1.7*6+09	2.055433	1.475+09	1.316+09	7 - 2 3 C + 0 G	2,236+08	1.31E+0A		70-44-70A
	01 13dNS532c	\$12E (MU)	~		•	•	2	15	<b>3</b>	<u>.</u>	Ξ, ;	50	2	* *	58	ğ		S F	463 0	SAMPLE 1 3			PRESSUPER 10 PST		(TH)	•	*	.0	•	9 ;	21 1	16	2	50	22	* *	28		•	160 0

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FIGHT F79-65 TH ST.	M. OLSTANDER SEG ET - CAL FACTORS 18.8	9°555 3bled (fm) 18m) d cli3bo 3215	434 3.875+33 ALT	647 1.725.033	944 0.	1241 3. TE	1516	1936	21.12		MONTH OF THE	1326	1517 0.	٤.	424 J	:	1 7.935-16 1.7AE-91	485	#FFTC TIME SPRETEST BY AFGL.  - PT D4 T 1 44 T 4	OF DISTABLE SAB FT CAL FACTOR 18.8		tum) o oliverile o (fm)	1, 5. 3t.	547 3.	770	1041	17.70 C.	132	2629	272t	3576 C.	100 100		+211 0. 986838.1	•	10-10-10-10-10-10-10-10-10-10-10-10-10-1	
AFETS ISTMS 50 TO 12 TO	HZO FLOW KATER 19 SPM	5175 0,000 (MJ) P7093		730001 15						151 1.35.0			2+1 3.915+1.+	_		• • • • • • • • • • • • • • • • • • • •	1.7 35-61	132	NITE AND ALL CAME OF SWITCH CAME OF STREET	HOD ET TO META DEM	,	7172 32.039 (11) 30.05E	73.355.5	13 2-172-67			272 3411:0 271 2345474 CC1	63-2-6-1 2-1			201 1.245+0.			293	5	7 106 a f	
SAMPLES 16A F. IGNT F79-1	PPESSUPEI 19 PSE 420	STTE SCATTED			6 1.718+03						15 15 15 15 15 15 15 15 15 15 15 15 15 1		24 1.056+03		•	39 5-835-03	10-362-1 081	r.	0 2715 3101844d HL 111 HL 112 A 144643 A 145173 HL 1348	OSH ASC 61 ASMISSION		SIZ SCATTER	2 22.46.63	1 7.08E+CD			\$10+084°5 C.		15 1.956+03			24 4 75			10 1.736+01		
	741 FACTOP1 18.8 F	551.3	1777		,	101	k • 11 1 -		F- DSIPOINT	-24.5	13/77	4.54		N. (*/*1)	.50428.1	3 74 6 7	2 DE 101	125	5 n 1	AL FACTOR 17.3		C ( 6 10 )	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6.4.6		(5) 4531	-11.4	CONSTRUCTAT	-25.5		18/H) S#1	41/17	N7 (N/42)	547674.2		TOTALS	
AY TEST BY AFGL 1 SECOND AVEDACT OF136115° 5 (MUMPER/Membrad)	THE HACE BOOK FT	S12r 38E 710		644 1055203		714 3		1935	1.32 0.	** 624	2726 6.		3517 0	314	+711 1.	.59 %	71.385.1	100	AV TEST BY AFGL 1 SECOND AVERATING 103136115° 15 (MJ4R72/4001-84)	THE PART OF THE PA		alled the	10.00	547 0		1241 0.	153A		2,429			3000					
T. ICIMG SPORY TO 21 JRW 79 01510-01134 TYPES AAIM	•			1.4.5.67	3041764	40004	7.357.6	5,025 + 6 5	93664	2.455465	1.176+65	3020208	*****	7.375.6.	1.475.45.4	1305011	9 9 7 80 9 9	975	AFFTS TSIMG SFRAY TO ON 21 JAN 79 6TEHABL STRRTH-0215 7F 01574F9JTING (N TYDEL RAIL)	,	M20 FLOW KALES 19 65 5	360%e		1 1 2 2 4 5 7 7 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8	9.5850.6	3.57E+(6	400 00 T	9.635455	2.445.05	1.475.5	6.408.64	1.186.405	3.	1.685	1.7 . 6 . 6		
SFETS TORMS SPOAT TEST BY AFOLD STORMS TO 1 SECOND AVERACING 1 SECOND AVERACING TO 1 SECOND AVERACING TREATMENT TO THE TOTAL STARTICLE SIXE DISTRIBUTIONS (MUNICALMON 3 - 44)	ısı	SCAFTE				70 67432/-1							1.336.009 2.1					9.74E-02	F.ISHT E79-03 I PARFICLE SI			SCALTER SIZE		2.19E445 C					2.15E+69 16:			2.	272	9 6			
SAMPLET 18A	PRESSURE 18	3/18		~								5.	27	• "	29	36	•	2 C C C C C C C C C C C C C C C C C C C	SAMPLE# 164		PRESSURE 13 21	SIZE							3 4			2	12	9 4	2 2		

9	נורנ	\$ °
SY AFSL COMB AVERAS (74003-44)	12 00£ 130	PRECTP PRO9E
1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 1 1 1 1	215 141	S12E
IOING SPOAVEL STAING STRIBUTIONS	TE1 19 GF4	C_00J
9FFT 0 74 14FRW 517E 01	FL 3W RA	\$12E (MU)
FEIGHT EPG-04 THE FEIGHT FEST RV AFFL FLIGHT EPG-04 TH 21 JAN 79 I VECKNO AVERACING I VERRAL STATTON-1361210 PARTICLE SIPE DISTRALIANS (NUMBER/NOW-1-HH) I VPER QAIN	10 PSI H20	SCATTER PROBE
SAMPLER LCA	PRESSURE	S 1 75
9 N 1	FLOW RATE: 19 GPM DISTANSE: 309 FT CAL FACTOR: 10.0 PRESSURE: 10 PSI H20 FLYH RATE: 19 GFM DISTANDE: 300 FT CAL F	P (#8) 551.4
AFFT: ICING SPRAY TEST BY AFGL EF9-03 ON 21 AN 79 1 SECOND AVERAGING LHERALL STATI+00136113+ CLE SIZE OLSHAMBJTINS (NUMBS4/4**3-44)	NSE  309 FT	PROTE
7 TEST 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1570	SIZE
AFFI ICING SPRAY TEST BY AFGL 3 ON 21 JAN 79 1 SECOND AN 14 SRAPAL STASTI-ORIS6139- 12 Typer 14 ON UN	4TE1 19 GPM	5,043 P2085
AFFT 9-83 ON 1 HFER E SIZE D	O FLOW R	\$12E (10)
FLIGHT	RESSURE 18 3ST H20	SCATTER PROBE
SAMPLE : 104	PRESSURE	SIZE

Ď,	PRESSUREI 18 251 H20	FL04 :	HZO FLOW RATE! 19 GPM	11570	DESTANCE 309 FT	CAL FACTOR! 10.0	PRESSUREI 10 PSI		FLYRR	HZO FL 3W RATES 19 GFM	215 14	DISTANCES SEG FT	CAL FACTOFE 18.8
5	SCATTER	STZE	5,013	SIZE	PRECIP	(84)	5175	SSATTER	5125	C.00.3	5126	PRECTP	(#8)
ř	390)	3	<b>94</b> 08€	î	3403d	551.4	CHO	PROBE	(DIL)	35085	(0)	P209E	551.3
2.3	2.95E+08	23	2.71E+6.7	7 07	7.336+33	4LT (KM)	~	3.42E+08	2.5	1.515+67	9 53	3. 485.433	46.7 (1841)
7.5	7.93E+08	*	2.612067	747	•	4.645		9.71.+08	*	2,205+07	647	1.725+01	4.646
?	2.045+09	62	1.27E+07	346			•	1.875449	62	1.2 85+6.7	776		
:	4.01c+09	95	6.39E+116	1241	٠.	TEMP (C)	•	3. 796+49	9.2	5.23544.6	1241		TE 46 (C)
3.5	3.53E+09	102	2.315+65	1538	;	-11.6	64	3.65E+f9	132	3.0 4 = + 3.6	1538		-12.0
	3,136+09	122	1.905.66	1935			12	2.935.4	122	1.7154.6	1935		
2.	2.18E+09	142	7.575+05	2132	ċ	F-OSTPOINT	1.	2.62E+43	142	4.235415	2132		FROSTPOINT
:	1.94E+09	161	4.69F+55	5650	:	-25.6	¥.7	1.985+19	7 91	3.245+6>	94.90	9,	-25.2
2:	2,29E+u3	191	2.155+15	2726	•		57	2.436+03	191	1.462403	2726	•	
።	. 66E+09	7.	1.285+15	39,3		T&S (M/S)	6	1.535+09	201	1.285+05	1323		145 (2/5)
:	* 41E+19	32.	7.035+64	120	.;	117.7	22	1.415+09	221	3.525+6+	1326		117.9
?	1.24E+34	241	3,916+64	3617			<b>5</b> 7	1.048+63	24.1	7.912.64	3617		
5.	. 83E+08	258	2.39€+04	1914		EFIN) LE	26	6.455.48	260	5 . 3 35 4 L	761		NT IN/WS)
2.5	2.55F+Ld	299	1.475+6+	4211	.,	971447.9	58	2.1JE+08	29.0	6.175.4.4	4211		921469.1
2.5	, 25E+68	303	1.315+64	4506	9.		ň	1.94E+UB	662	3.32.06	4508		
	;		1			TOTALS							TOTALS
:	1.0'E-01		2.475-61		4.525-32	2.95E-01	)  -	1.115-01		2,675-11		2.645-12	2.96E-01
	20		114		*0*	126	457.7			- > 3		F 2 7	40.

SAMPLE: 10a F_15HT E74-G* UN *1 J84 79 1 32,0040 AVERSING TV=EMB START***********************************	
SAMPLE 164 FLISHT E79-03 ON 21 JAN 79 1 SECOND AVERATING INTEPAL STRETHOUTHSE21* PARTICLE STEE ORGENIONS (NUMBER/H**)-44) TYPET AIN	

FAL FECTORS 18.8	648)	551.3	ALT (KM)	4.846		TEND (C)	-12.1		THIOTINE	6.32-	•	18 (H/S)	117.8		T (W/WT)	126.63 R. 2		TOTALS	2.22E-01	108
DISTANCET 300 FT	PRESTO	<b>9</b> 479£					9.		9.	•					٠.				0.	6
DISTANC	3118	ĵ	3	240	3 7 6	1241	1538	1435	2132	5429	2726	3023	1320	1617	1914	124	4508			
420 FLIM RATER 19 GOM	Clos.	きんしゅっ	1,355.07	7.65.6.7	1.345+17	6.145+10	2.552+66	1.755+[6	6.255465	2.7 15463	2,335+15	1.285+65	1.156+15			. 9			2.26-61	108
FL 34 RA	3110	Ş	73	7	5.5	<b>a.</b>	132	122	142	161	191	1,11	17.	24.1	26.4	289	333			
	CCATTER	3 PO BE	3,112+68	9.335+08	2.02E+09	4.545+09	2.43E+09	2.535+09	2.04E+A9	1.736+69	1.946+09	1.42E+09	1.23E+n9	9.436+08	5.36F+C8	2.49E+1.8	1.635+08		9.796-02	21
PRESSUREL 10 757	SIZE	(#)	~	-3	•	*	2	12	3.7	1.5	13	20	22	54	56	23	33		, S	MED D
CAL FACTOP1 10.0	(ak) a	551.3	ALT (KH)	4.845		TEMP (C)	-11.9		F < OSTPOINT	-25.5		TAS (M/S)	117.6		NT (N/HG)	874384.1		TOTALS	2.451-01	116
DISTALLE 300 FT	off:Jbd	3800d	3.	-	.*	•	•	•	•		•	•	•	•	•		•			
01579	311c	Ĵ	101	547	116	1241	1538	1935	2132	2429	2726	3023	3326	1617	3916	4211	4508			
HZO FL 34 RATEI 19 G24	C.0.5	₹03€	1.365.77	2.175+07	1.0 SET 7	5.342410	3.652+65	1.34546.1	7.255+15	4.395+55	1.475+05	2.58E+05	1.16c+65	3.916+04	.;				2.456-61	116
FL 34 R	3115	5	2.3	F 3	63	95	112	123	142	191	191	201	121	241	263	280	40)			
	SCATTER	PR)9€	2. 5.5E+08	8.436+68	1.91E+09	3.81E+09	3,446+03	2.87E+69	2.25E+69	1.90E+f9	2.05E+03	1.57E+09	1.35E+09	9. 80E+68	5.52E+08	2.57E+08	2.72E+98		1.07E-01	73
PRESSURE: 13 PSI	<b>3115</b>	(D)	<b>C</b> r	.\$	•	•	2	21	<b>:</b>	97	<b>\$</b>	ຂ	22	2	25	£	26			0

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SAMPLE: 164
F.16HT E79-03 ON 2: JAN 79
ISECOND AVERAGING
ISTEPAL STABTITEDESSE25\*
PARTICLE SITE DISTRIBUTIONS (MUNER/N=5-44)
IYPE: RAIN SAMPLE: 18A 1FFT3 TOING SPOAV TEST BY AFGL FLIGHT EF9-63 ON 21 JAN 79 1 SECOND AVERAGING TATESTRENGISSE23\*\*\* PARTICLE SIZE DISTRENTIONS (NUMBER/N\*\*3-44) TYPE: RARN

31 2 E	SCATTER	3118	000°C	SI7E	PRECIP	(H) a	SIZE	SCATTER	S17E	0.030	5177	010000	C C C C C
Đ.	**08E	3	360≥e	Ē	9409E	551.2	SH.	380ac	3	380 ₹0	E	PROME	551.3
2	2.72E+C8	5.3	2.375+1.7	764	2.545+34	ALT (KM)	2	2.566+08	23	1.356+67	101	7. 11 50 13	ALT (KM)
•	7.335+68	£ 7	1.+2E+f7	2 49		4.847		7.32E+08	, ,	1.39E+L7	54.7		6,646
s	1.68E+.9	62	3.532+60	346			···	1.47E+09	52	7.795+06	110		!
€	3.426+09	82	5.3751.6	1241	•	TEMP (C)	•	2.95E+99	70	3.98E+f5	1241	: .:	TEMP (C)
10	3.11E+99	102	1.752+66	1548	•	-12.1	67	2.54E+09	102	1.90200	1518		-12.1
15	2.59F+.9	122	1.396+06	1835	•		12	1.95 0	122	1.185+65	4 4 5	i c	
**	2.17E+C9	143	9.225+62	2132	•	FOOSTPOINT	1.	1.675+39	142	4.505.4	2132		FPOSTPOINT
1.5	1.765+69	161	2,305115	5 45 9	•	-24.4	16	1.195.09	161	2.445+15	2429		-23.9
19	1.636+03	191	3.315+4.5	2726	•		57	1.65 6+49	191	1.7564.5	2726		
20	1.45E+19	231	9.595+64	3923	•	TAS (M/S)	20	9.855+60	201	3.575+14	3023		145 (4/5)
22	1.155+09	ξ,	1.765+5	3325		117.9	22	9.455+03	22.1	٦,	43.00		118.8
3.¢	8.246+38	2+1	1.360+1.3	3517	٦.		3.5	5. d7: +08	34.4		3617	: -	
<b>5</b> 2	4.27c+u8	16.3	3.3 1E+ C 4	7161		FT (N/43)	25	3.195+08	26.9	7.316463	40.0		NT (N/ME)
	2.4364.3	233	5.395+64	4211		693647.6	28	1.865+0.9	18.	1.565.0	4214		547254.9
30	1.716+48	37.0	4.365404	+53.8	.;		3.	19E+08	333	1.312+	4518		
						TOTALS						;	TOTALS
2	9. 135-02		2,735-[1		1.575-11	4.40E-91	CHI	7.15£-42		1.508-61		4.835-12	1.985-01
MEJ D	20		4.5		49.1	976		•		:			

SAMPLE: 1(A 179-07 ON 21 JHNG SO7AF FEST BY AFGL
INTERAL STAFF=CONTSESS\*
PARTICLE KIYE DISTRIBUTIONS (NUMBER/4\*\*\*\*\*\*)
I TOZE: RAIN SAMPLE: 184 FSL
F\_IGHT E79-63 ON 21 184 FS 1 SECUND AVERASING
I 1878-MAL STATT: @F136124\*
PARFICLE SIZE DISSERBATING (MUMPEC/Me+83-44)
I PPE: RAIN

CAL FACTOR: 10.0	Ê	1.4	6	515		2			177			į	(2)	6.2		2		•	TALS	-01	336
CALF	٩	551.4	A1 T	4.845	•	TEMP	4	•	COUCTE	4 200	Ÿ		SY	118.2		NT TM	546.724		5	4.546-83	
DISTANCE: 3.0 FT	PRECTP	360ed	4.187.14		: -	;	• :	: -	•	: .	•	•	:	-	ے:	: =		: =	:	2.635-31	<b>\$0 \$</b>
ATSIC	2115	Ĵ	707	7 40	4	1241	45.0	-		1000			3723	7.32 E	3617	100	121	4 0 5			
HZO FLJW RATE! 19 GPM	Crono	380 ₹0	1.465+07	1.5454.7	5.035.05	2.65E+G5	4.405+16	9.1654.5	7 - 0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	4.5.5.5			1.595+(5	3.500+64	3.395+04	5.587+04	7 2 4 7 5 5 7	7.152+64		1.316-01	148
FL 3H R	STZE	<u> </u>	23	*	. 6	8.2	132	- 22	141				711	721	24.1	25.0	243	23			
	SCATTER	PROBE	1.16E+08	5.655+68	1.02E+49	2.04E+09	2.02F+1.9	1.605409	1.155499	1.2054.0			7.4 SE+US	7.12E+08	5.73E+u8	2.71E+08	1.085+08	6.97E+07		5.50E-02	20
PRESSURER 10 PSI	3175	CHC)	N	•	• •	•	-	-	1 3	=	3 5	2 6	3	22	, ,	26	28			3	MED 0
10.0																					
CAL FACTOP: 10.0	(ww) a	551.2	ALT (KM)	4.847		TEMP (C)	12.1	•	FROSTONIAT	-24.4		19777	COVED ON	117.9		NT (N/M3)	412065.2		TOTALS	3.115-01	148
DISTANCER 360 FT	PRECIP	36699	7,325+13			•	;		9.				•	•	•	•	, ,			4.81E-32	<b>3</b> 03
DISTA	\$12E	5	707	547	776	1241	1538	1635	2132	2449	2726	3023	200	3320	1517	3 91 4	4211	4598			
HZO FLOW RATER 19 GFM	5-043	3€0 <b>≥c</b>	2.375467	1.365+77	1.13507	4.145466	4.27E+06	1.422+16	4.3 7F. + 0 5	6+235+15	2.535+15	1.785455	60.16.	1.4.0.0.0	1.175+65	4.145454	165464	1.316+04		2.52E-C1	133
FL34 R	SIZE	€	٤,	Ľ J	63	<b>6</b> 1	1,4	122	142	161	131	23.1		17.	241	263	283	30			
	SCATTER	2409E	2.736.08	7.06E+08	1.40 -+ 09	2.03E+03	2+72E+09	2.335.03	1.636+69	1.63E+63	1.58E+09	1.185+19		10011	7. I4E+68	4.536+68	1.32E+18	1.715+48		8.20E-02	12
PPESSURER 18 SSI	SIZE		~	•	vo	•	<b>\$</b>	12	\$1	16	1.9	20		3	**	9.	<b>53</b>	<b>3</b>		2 6	0 (34

AFFICHT E79-03 ON 21 JAM 79 1 3ECOND AVERAGING INTERNAL STREYF\*08:38:33\*\*
PARTICLE SIZE DISTABULIONS (NUMBER/H\*\*3-NH)
TYPE: RAIN SAMPLE 1 109 RECENT E79-83 ON 21 JAN 79 1 3ECOND AVERAGING THE TRANS STATT \*\* 1 3ECOND AVERAGING THE TRANS STATT \*\* 1 3ECOND AVERAGING THE SIZE DISTRIBUTIONS (MUNDER/M\*\*)-MY) SAMPLE 1 109

CAL FACTOR: 18.8 TOTALS 2.94E-81 F40STP01WT TEMP (C) -11.7 TAS (M/S) NT (N/NS) ALT (KM) P (MB) 551.5 7 5,52°-12 1.405+33 PRESTO DISTANCE: 368 SIZE FLOW RATER 19 6P4 2.79E-61 127 517£ PRESSUREI 10 PST H20 7.06E-02 SCATTER PROBE 0 48642225642248 CAL FACTOR 10.0 TOTALS 2.21E-01 F-05TP01WT TAS (4/S) 118.0 NT (N/H?) 527860.7 \*EMP (?) 551.5 T (KH) 7, 315+33 P4501P DISTANCE: 378 STZE (MJ) FLOW RATER 19 504 1.735-11 C. 003 STZE (+U) PRESSURE 18 > ST H20 10.00 to 10. 5.09E-02 20 SCATTER PROBE 0 

CAL FACTORE 18.8 1.T (KM) 7EMP (C) -11.7 P (MS) 551.5 AFTI ICING SPRAY TEST BY AFGL FLIGHT E79-03 34 21 JAN 79 1 SECOND AVERAGING INTERNAL STATITO-11 TG 134\* PARTICLE SIZE DISTABULIONS (MUMPER/AMP) 1 170-11 AND 170-11 A TISTANCER TOO FT 1.09E+31 1.72E+01 PRECIP FLOW KATER 19 GP4 3,000 \*\*045 CAL FACTOPI 15.0 PRESSURE: 10 PST M20 SCATTER PROBE 617 (KM) TEMP (C) 551.6 AFTI ISING SPRAY TEST RY AFSL
F\_IGHT ET9-43 ON 21 JAN 79 1 SECOND AVERGINS
INTERVAL STRATE-HQUSSESS\*
PARTICLE SIZE D.STRIBJITONS (NJMPE3/M\*\*3-M4)
ITPES RAIN DISTANCES SOU FF 9.775+33 SIZE FLTW RITER 19 6PM 3.043 \$77E PRESSURET 13 PST 420 SCATTER PROBE

SAMPLE 169

TOTALS 1.92E-61 118 F 20\$7901NT -24.3 TAS (M/S) NT (NAME) 725281.6 1.916-01 6.28E-02 20 70FALS 2.76E-01 157 FPOSTPOINT 14S (#/S) 117.6 NT (N/M3) 716105.4 6.435-12 OFFICE OF 2.12E-61 123 5.73E-07 

SAMPLE: 169

921.0	CAL FACTOR: 18.8	2*155 (9h) d	ALT (KM)	4, 84.7		TEMP (C)	-11.0		FPOSTPOTNT	-24.4		TAS (M/S)	117.7	1	NT (N/MS)	#20747.7		TOTALS	2.295-01	118
EST BY AFGL 1 SECOND AVERAGING 68 37 P UM BER/M++3-44)	DISTANCE: 368 FT	PROSE	1.525+13	1.72F+01								•							1.085-12	•11
1 3 1 3 1 3 6 3 7 (NUM BE	01574	SIZE	3	547	136	1241	1538	1835	2132	2429	2726	3423	3320	3617	3914	4211	\$ 20 B			
AFFT: ICING SPRAY TEST BY AFGL FLIGHT E79-83 ON 21 JAN.79 1 SECONO AVES INTERAL STARTY-88156-379 PARTICLE SIZE DISTREBUILONS (HUMBER/H+++3-44)	HZO FLOW RITER 19 GPM	C. 00.3	2,436+87	1.36E+C7	1.172+07	4.4 BE+E5	2.7 12+06	1.345+65	5.332+05	4.522+65	2.05€+€>	2.242+05	•	3.31=+6.4	7 19806	1.475+64	1.325.64		2-145-61	114
AFFT 03 OV INTER SIZE D	FL3# R	\$12E ( 40)	2	r,	82	€.	102	12?	142	161	191	202	122	241	260	9.6	130			
₹		SCATTER PROBE	1.246+08	4.516+68	1. 45E+09	2, 205+09	1.77 E+89	1.455+09	1.06E+09	9.49E++3	1.136+69	8.24E+08	7.09E+08	5.50E+08	2.10E+08	7.78E+67	1.016+69		5.23	20
SAMPLE : 168	ORESSURE:	SIZE (MU)	2	•	10	•	07	15	<b>3</b>	16	18	54	22	42	61	128	30		S.	HEJ D
2 H 1	CAL FACTOR: 15.0 DRESSURE: 10 PSI	P (##)	ALT (KM)	4.046		TEMP (C)	-11.8		FLOSIPOINT	-24.3		TAS (4/S)	117.7		NT (N/M3)	581527.1		TOTALS	3.46E-01	255
5P44V TEST BY AFGL 1 25COMD AVERACING 1 1 25COMD AVERACING 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DISTANCE: 160 FT	PRECIP	2.55€+94	•				9.	•	•	•	·.			÷.	:			1.67E-11	3 13 3
1947 TEST BY AFGL 1920ND 4 1908:36:35* 10NS (NUMBER/HOM3- IN	DISTA	SIZE	101	547	716	1241	1538	1915	2132	6242	272€	3023	3 32 0	3617	3914	4211	450 e			
~ = =	HZO FLJW RATER 19 GPM	5,093 84,085	1.925+17	1.5550.7	9.65E+16	3.935+65	2,775+66	1.705+76	6.925+65	3.975+65	1.47E+C5	1.285+65	7.8454	3,915+(4	4.4.E+64	5,165+64	4.365+04		2.295-31	125
4FFT 14TER 512E D	FL 34 R	472E (40)	23	£ 7	6.	82	132	122	1+2	161	141	271	22.1	741	261	233	33.3			
FFT; ICEME F. STATE TO THE STATE OF STA		SSATTEP PROSE	1.485+68	5.37 €+08	1.17.09	2.46E+89	1.916+09	1.52E+59	1.136+09	1.085+49	1.25€+09	8.5.6+38	9.53E+18	4.67E+uð	2,575+13	1.435+63	1.63E+08		5, 90E-02	śż
SAMPLE 118	PRESSURET 10 PSI	S IZE (MI)	2	•	٠	•	7	15	#	91	5	<b>9</b> 2	2:	\$2	92	28	33		2	#£3 B

CAMPLE: 169
F\_IGHT F79-03 ON 21 AM 79
I SECOND AVERAGING
INTERVAL STATE-001-16:23\*
PARTICLE SITE DISTALLANS (MUMPRA/MOFT-44)
TYDE: RAIN SAMPLE: 109

F\_ISHT E79-05 ON 21 JAN 79

I JEDVAL START: 00:36:35PARTICLE SITE DISTRING (NUHTER/W\*3-44)
TYPER RAIN

CAL FACTON: 18.0	P (44) 551.1	ALT (KM)	6.849		TEHP (C)	-11.8		FROSTPOINT	-24.4		TAS (M/S)	117.9		RT (R/RG)	810666.8		TOTALS	3,266-81	168
DISTANCES 300 FT	PRECIP PROSE	1.712+14			•				•			•						1.12c-31	•0•
01574	SIZE (MJ)	40	647	110	1241	1538	1835	2132	54.2	2726	3923	3320	3617	3914	4211	4508			
HZO FLJW PATER 19 GP4	3,090 9203E	1.67E+C7	1.965.07	1-106+67	5.395066	2.335+66	1.25E+C6	5.31E+FS	4.516+6.5	1.175+05	3.268+64		7.516+04	5.17F+84	3.425+5+	3.366+64		2.1 TE-01	116
FL 34 P	\$72E (40)	23	ş	6.2	92	102	12.2	142	161	191	231	221	24.1	160	289	360			
	SCATTEP PROBE	1.176+08	4.4.TE+08	9.56E+CB	1.045+09	1.76E+09	1.125+49	9.945+68	8.47E+08	1.03E+03	8.70E+G8	8. 68E+C8	5.52F+LA	2.25E+CB	1.32E+08	1.09F+08		5.336-02	21
PRESSURER 13 PSI	SIZE (MI)	8	*	up.	•	3	12	<b>+</b>	91	13	02	22	54	25	28	30			4E0 0
CAL FACTOR: 10.0	P (48) 551.2	ALT (FF)	4.847		TEMP (C)	-11.9		FOOTPOINT	-24.4		TAS (4/S)	117.9		NT (N/M3)	418088.8		TOTALS	1.845-01	101
DISTANCE 300 FT	30659 017396	•	3	:	•	•	9.	:			:	•	٥.	·.	•	:			•
01514	STZE	101	547	776	1241	1538	1815	2112	2429	2726	3023	3320	3617	3914	4211	4538			
450 FL34 B4TE1 13 634	3,333 P239E	20145467	234556.2	1.036+07	5.735+60	2.405+[6	1.175+05	4.345+65	3.532+05	1.+6=+65	3.20E+C4	1.156+05	•	•	•			1.545-11	101
FL34 by	10F)	2.3	<b>*</b> 7	62	82	13,	152	Z 7 T	161	191	7.7	721	241	263	18.	33.0			
	SCATTER PR38E	1.41E+38	4. 29E+38	1.036+69	1. 84E+03	1.97£+03	1.236+03	1.05E+19	8.19E+68	1. 04E+09	7.54E+38	5.016+98	3.69E+08	2.49E+4A	8,55c+07	5.44E+07		4.596-02	20
ISc 01 12anSS3èd	SIZE	2	•	ır	•	2	12	<b>:</b>	1ò	<b>:</b>	82	22	42	6	<b>58</b>	2		2	MED 0

SAMPLE 1 109 F.IGHT E79-01 OV 21 JAM 79 1 SECOND AVERAGING INTERPRESONATION (NUMBER/OF) ON TYPER RING TOWN SEZ/GOODATHON (NUMBER/GOODATHON)
SAMPLE: 189 FIGHT E79-07 OF 21 JAN 79 FIGOROUS STREAMS PARTICLE SIZE OSTREATIONS (NUMBER/HH) PARTICLE SIZE OSTREADING (NUMBER/HH) INDER RAIN

FL34	MZO FLOW KATER 19 GPM	TSIC	DISTANCE: 398 FT	CAL FACTOR: 10.0	PRESSURE: 13 PSI		FLOW RA	HZO FLOW RATER 19 GPM	DISTAN	DISTANCES 300 FT	CAL FACTOR: 18.8
SIZE	3C000	SIZE	4103ea	P (#R)	SIZE	SCATTER	3415	00J	3215	PRECIP	683
5		Ē	360	1.144	5	PROBL	Ĵ	360₹4	Ē	PROSE	591.2
	1.815+67	707	ċ	ALT (KH)	•	766407	;		•		
3	17457176	64.7	-	6.4	•	10 20E 46	•	12429/07	101	7.345.43	ALT (KW)
,	2757				•	1,79E+08	* *	1.75=+67	647	÷	L.847
3 8		•	•		٠,٠	5.39€+68	62	3.345.6	3	ď	
Ö	3.35E+	1421	•	1EMP (C)	•	1.075403	2	4.24.4.		: .	1500
:	2.2624	1578		-11.A	•		,		7	: .	131
123	9.6 35 6	1 8 3 5			7	1 . C . E + U 9		2,1 26,16	153	•	-11.7
					27	6,336469	152	7.975.05	1935	٠	
	2011111	2132	•	TWIDGISD 4	1.	5,22E+,8	271	< 1+356*+	2132		FROSTPOINT
	1010		•	4.42-	2	5,63€+#8	161	1.6 35+1.5	542	÷	-24.5
5		272			1.5	5.548+83	191	2.34746.	2776		
3		3923	•	TAS (M/S)	2	3.82F of B	2.11	9.6.2.4.6.	202		TAC (4/6)
221		3320	,	117.6	;		; ;				(C ) C
7		3617			77	3, 47, 403	12.	* 5 35 + 6 6	335	•	117.4
			• •		2	2.655+48	7.	7.0+11.00	3617		
	:	3914	•	F1 (N/M2)	26	1.565+08	26.9	3.395+26	4 161	ě	MT CM/M31
	•	4211	•	792637.4		V641149.4	28.3	7 7 7			7 7846
3	;	4.50.4	c		٠.		; ;		4	•	1.00000
		,	:		3	3.165.4.7	ç	1.325.64	4506	•	
	1.925-61			171 ALS						4	TOTALS
			•	4012224	,			1.555-61		4.834-32	2-136-01
	,		•	707	460	- 5		105		101	135

SAMPLE: 113
F\_154T E79-03 ON 2: JAW 79
1 SECOND AFFRENCE
THIEVAL STATISHDING 642\*
PARTICLE SIZE DISCHEUZING (MUMFF) AFFRENCE 1817 SAMPLE: 103
F\_ISHT E79-03 ON 21 JAN 79
I SECOND AVERSING
INTERAL STATE-01:158419
PARTOLE SIZE DISHBATHS (NUMBER/HOW)
(YPEL PAIN 34ES

	CAL FACTORE 18.0	551.1	ALT (KH)	6,8,4	TEMF (C)	-11.6	IPOI WT	-24.5		TAS (M/S)	117.4		(/M2)	396469.5	201816	1.266-01
		a T	<b>₽</b> LT		TEN		FAOS		:	I				396		=
	DISTANCET 300 FT	Sector dIC3ed	<i>:</i>		:	•	•	•	្នំ (	<b>:</b>			•			
	DISTAN	SIZE (#3)	104	64 V	1541	1538	2132	5 42 9	2726	5053	762	, ,	2416	<b>4</b> 214	4548	
	420 FLJW ogTft 19 GF4	0,040 0,040	974=99"5	3.9.7E+.6	2,335+66	1.395.05	3.535+(5	1.862+75	1.675.65	1+90-1	1.762.425	· .	•	÷,		1.236-61
•	FL 3# 0%	3175	<b>M</b>	* ¢	2	22	7 93	161	Ē	707	5		è	253		
		SCATTER PR33E	3,906.4	1,500,00	6.00E+08	5,22E+08	3,745.48	2, 35E+UB	3.12E+09	60.106.7	2047-77	2 4054	10 30E 401	7.87E+05	1. 255.07	1.65E-02
	ogessupe 10	17.H) 3215	~	<b>.</b>	•	- 2	11	91	<b>.</b>	3 :	3 -	* 4	63	<b>8</b> 0,	?	0 03H HEO 0
	CAL FACTOR: 18.8 PRESSURE: 10 PSI	0 (48) F51.1	4LT (K1)	· • • • • • • • • • • • • • • • • • • •	TEMP (C)	F.11-	Frichtpollut	7.42-	TAS (H/S)	6.44.	3.4.4	NT (N/HT)	F 040077	1.6700+6	TOTALS	2.41E-01 142
	DISTANCER 3"0 FT	3068a	7,362+13		•	• • • •						•		•	,	4.84E-02
	DISTA	\$12E	4.04	1 16	1241	1635	2132	2726	3823	3320	3617	3914	1254	1 2 5 4		
	420 FLDW RATE! 13 co4	2, 3J3 22,095	1.5476.2	6.4624.6	600 ZE 44 6	1.34546	6.345454	2,065+15	9.535466	1.416.65	3.325+64	2.44E+f4	1.675.6	1.325.4.4		1,3%E-61 122
	FL 3W RA	10) 3215	£ 4	6.1	. 6	153	142	131	79.7	22.1	24.1	260	28.3	300		
		SCAFTER PROPE	1.55E+07 3.04E+03	6-795+09	1. 1.5 t 0 t 0 t 0 t 0 t 0 t 0 t 0 t 0 t 0 t	7.265+08	3.825.18	5.39€+03	2.735+09	3.595+09	3.04E+08	9.37E+07	9.375+67	1.556+87		2.91E-#2 21
	ISSUREN 13 PSI	S125 (PU)	~ 3	···	ົລ	21	* ic	9	36	22	ž	58	<b>8</b> 2	36	3	1 C S

108 AFFTS ISING SPARY TEST BY AFGL	FLIGHT EP9-03 ON 21 JAN 79 1 SECOND AVERAGING	I HERVAL STARTIONERS 45	PARTICLE SIZE DISTRIBUTIONS (NUMBER/N**S-NW)	1010
SAMPLE 1 108				
IB AFFT: ICING SPRAW TEST BY AFGL	Falshy E79-83 ON 21 JAN 79 1 SECOND AVERAGING	そのきょうりゃのひょう ドゲギドバ コゼラダリトア ド	PARTICLE SIZE DISTRIBUTIONS (NUMBER/A**S+NA)	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

SAMPLE

CAL FACTORS 18.8	P (#8) 951.1	ALT (KM)			TEMP (C)	-11.4		FROSTPOINT	-24.5		AS (M/S)	116.8		T (N/H3)	581733.3		TOTALS	1.426-01	124
DISTANCE: 380 FT	PROPE	•	-		•								•	*	9.	•		;	•
DISTANCE	SIZE	* * * * * * * * * * * * * * * * * * * *	3	į	1241	1546	1435	21.32	6442	2726	3923	3320	3617	3914	4211	4588			
RATES 19 GPM	3, 000 P2 08E	1.486+67	1.295.67	5.905.66	7.1 0E+06	1.315+66	*.8 5E+1.5	5.645405	3.01E+C5	1.775+05	1.295+55	1.065+05	·	•				1.4.2c-[1	124
FL 28	SIZE (#U)	23	£ 3	29	8 2	291	122	142	191	191	201	22.1	7 7 2	992	293	333			
02H ISc 01	SCATTER	7.83E+07	2.27E+C8	4.62E+0#	5.72E+08	5.64E+08	4.31E+08	3.21E+08	2.53 -+ 08	3.525+08	2.43E+09	2. b4E +08	1.64E+08	1.17 E+u8	2. 15 . +07	2.355+67		1.636-02	21
PRESSURE: 1	ST2E (UN)	~	•	ď	•	97	15	**	91	2	92	22	*	<b>5</b> 8	62	33		SE.	MED 0
CAL FACTOR: 18.8 PRESSURE: 18 >SI	P (MB) 551.0	ALT (KH)	4.858		TEMP (C)	-111.9		FPOSTPOINT	-24.5		TAS (H/S)	117.6		NT (N/HS)	163275.6		TOTALS	1.895-01	195
DISTANCE! 380 FT	PRECTP PROBE	9.795.03	•															6.436-02	101
01574	SIZE (MJ)	3	64.7	446	1421	1536	1834	2132	0.44	2726	3073	3326	3617	3914	4211	4536			
TE: 19 GP4	CL0U3	4.32E+06	9.32€+66	3.77E+E6	1.936+06	1.366+06	6.702+05	3.305+85	7.26E+65	1.766+65	1.50E+C 5	7.34245	•	3. P. 9E + D.	1.966.54	1.755464		1.256-61	143
HZO FLOW RATER 19	\$176	23	* 4	62	6	132	122	142	161	181	201	121	241	260	280	200			
	SCATTER PROBE	7.785+06	5.45E+07	1.485+08	1. 63E+08	1.09E+08	1. 32E+08	9.345+67	9.3.5+87	5.455+07	7.78E+97	7.79E+87	3.895+47	5.45E+07	2.335+07			5.13E-03	22
PRESSURE 18 "ST	\$ 12 <u>2</u> (M)	2	•	•	•	**	12	*	9	57	2	22	2	92	82	200		2	#£0 0

afgl No averasins ***********************************	1 368 FT CALFAC
AFFT TOTMS SPRAY TEST BY AFGL 15ETOND AVERASIMS 14FEVAL STRATEGRESSELS. PARTICLE SIZE DISTRIBUTIONS (MUMBER/Meest-44)	CP4 OTSTANCE
FFT3 TOING SPR ON 21 JAN 79 HERVAL STARTI E DISTRIBUTION TYPE: RAIN	N RATER 19
ISHT ET9-03 PARTICLE SIJ	51 420 FL'
	10 5
SAMPLE: 109	PRESSURE
SN:	CAL FACTOR: 10.0
AFFT) ICIME SPRAY TEST BY AFGL FLIGHT EP9-83 IN 21 JAN 79 1 SECOND AVERAGING INTERALL STATTHOUSELLY PARTICLE SITE DISPEDUITING (MUMBER/HW##3-HM)	RESSURE 10 35 H20 FLDM RAIE 19 3PM DISTANCE 300 FT CAL FACTOR 10.0 PRESSURE 13 95 H20 FLDM RATE 19 GPW DISTANCE 300 FT CAL FACT
AFFT IDING SPRAY TEST BY 1857 BY 1 SEC INTERNAL STRAYT-0113644. SITE DESTREAMINS (NUMBER)	19 5 PM
FT3 IS N 21 ERVAL DEST?	RATE
AF 1 EP9-83 7 1 TCLE SIZE	H20 FL 3H
PL IGN'	ISc I
,01	E 1
SAMPLE: 103	PRESSUE

CAL FACTOR: 18.6	551.1	467 (49)	6.849		TEMP (C)	-11.4		FROSTPOTMT	-24.5		TAS (M/S)	117.4		MT (N/H3)	664975.6		TOTALS 2.82E-91 128
DISTANCE: 500 FT	PRECIP PROSE	:							:			•				•	
1210	STZE (M3)	404	647	446	1241	1538	1815	2132	24.2	2726	3023	3320	3617	1914	4211	4500	
FLJH RATER 19 GP4	3L000 PR03E	2,266+07	1.545+07	8.395+65	4.50E+C6	2,265+66	1.476+05	6.60E+05	3.5 45+65	2.352+05	1.32E+05	1.36E+05	3.926+64		<b>ئ</b>		2.82E-f1 128
FLOW R	S12E	23	£.4	62	82	707	122	142	161	181	201	221	14.	260	283	300	
450	SCATTEP	6.24E+07	2.345+68	5.38E+08	9.675+08	9, 59£+69	6.09E+08	4.83E+68	6.91E+08	7.59E+u8	4-21E+08	3.12E+08	1.795+08	9.35E+07	3.90E+67	1.56E+07	
PRESSURET 13 PST	SIZE (MU)	61	•	0	•	.1	21	**	16	87	20	22	54	25	28	300	LWC WED D
CAL FACTOR: 10.0	P (49) 551.1	ALT (KM)	6.849	•	TEMP (C)	411.6		FPOSTPOINT	-24.5		TAS (M/S)	417.4		NT (N/M3)	4.22692.8		TDTALS 2.43E-81 298
DISTANCER 300 FT	PRCTP PROBE	1.715+34									2		: =		: _		1.175-01
01574	SIZE (MJ)	463	647	146	1241	1538	1915	2132	2429	2726	3023	3326	3617	3914	4211	4598	
H20 FLJW RATES 19 3PM	5L0U3 PR08E	175.6.7	9.235+66	5.37=+86	3.835+06	1.365+86	5.4 5E+03	3.636+62	1.305+05	5.885+64	9.525+84	•	3.325+84	3.666.+04	3.4.35+04	3.37E+64	1.30E-01 122
FL 34 R	\$175		*	52	8	192	122	142	161	181	201	221	241	260	280	2	
PRESSURE: 10 PSI H20	SCATTER PROBE	5.45E+07	7.73E+07	1.56E+88	3.74E+08	3. 84E+88	1.95E+88	1.25E+88	1.32E+08	1.32E+08	8.57E+67	5.45€+47	4.68E+07	2.346+87	2.34E+87	7. 795+36	5.97E-13 19
HE1 1	S I ZE	~	•	٠	•	2	75	#	76	=	2	22	2	z	20	*	HEO D

25. H20 FL7M RATE: 19 GP4 01516 25.01.02					N 3: 15	CANTILLE SIZE DISTRIBUISMS (NOMBER/NAME)	5	44444	
<b>N. B. D. G. (4.10.10.11</b>	DISTANCES (OD FT	F CAL FACTOR: 18.0	OMESSURE 10	02H ISe	FL3W RB.	TVPET RAIN FLOW RATER 19 GOM	21516	OTSTANCER 100 ET	8 6 7 8 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6
N. B. M. W. W. W. W. W.	6176 005010	•							
N. N. N. O. of 10 to 10	360au (CH)	551.1	10H)	50.AT FEW 56.39E	3712	3403c	3218	985386 98386	P (#8) 551.8
	404 3.	A) T (EM)	·		;		,	,	
<b>*</b> 0 0		6.48.4	V 4	00000000	<b>.</b>	10101	;	7.445+33	ALT (KW)
0.0.00			ص	1,17E+69	. 6	5.65£ + [ o		; .	94.
		TE4F (C)	**	2,79E+29	3.2	6.3556.9	1.76.1	ئم :	101 9794
<b></b>		-11.5	71	2.236+09	132	2.1264[0	15.	•	
			12	1.345+49		1.000		; .	-11-
		FJOSTPOINT	1	1,736+09	162	A.5 9E+C.2	2137		FUNCTONT
		-24.5	15	1.635+69	151	2.43646	200	•	9.16.
			61	1, 126+09		1.190.6	2726	: -	6.07
		TAS (M/S)	02	1.175+19	10,	1.00.20.5	3323	٠. ١	145 (4/5)
•		117.0	<b>2</b> 2	P. EPF + B	32.1	1.47.465	332		6.414
			77	6. CAL+CB	9,	7.972466	101	5 15	
		NT (N/H)	25	3. 53 [ + 38	74.)	****	3914		NT (N/M):
		945637. 3	6.2		2.1	1. + 02 + 1	+211	.,	54246.4
47 .*	3.	i	5	1.616+08	411	1.33.464	453.8		
. 1 45	•	TOTALS	•						TOTALS
116	:	2.115-71	28.7	6.8+52		1.366-1		4.496-12	2.45E-01
	•	1114	•	7.7		130		3 4 4	149
SPARTE	S AFETS TOTMS SONAY TEST BY AFGL		C 2 0 2 1 0 7 9 7	2	4			,	
•	1 SFCONN AVERBIING	U.41:		F. ISHT E79	, xc 28	15.48 PT 15.00 PT 15.	1631	TAP SE	145
14.30 4.46	(				I IT SP IA	I ITERAAL STARTION (#1615)*	1461534		6117
^ Z	(			PARTICLE	516 3215	TYPE FOLLOWS	≥ îa Mîw)	(++-1-+4/	
					-				
36	785 1405 1 304 FF	CAL FACTOR 10.0	DRESCHER 10 SEA		FL 14 0.47	AZO FLIV OLFF 13 SFY	PISTAN	PISTANCES SUD OF	"AL FACTOP1 16.8
נוני כתני		6,000	21.72	C. 47 T.F.3		ć	•		
3	عوثوم ال	551.1	36	39,000	15	36C2d	375	at Lad	551.1
	414 1.875+33	ALT CKMS	•		;		-		
		0.76.7		7.615+04	r •		7	5 + 42 + 4	1 L C C C C C C C C C C C C C C C C C C
				1.315+73	, ,	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		•	7 20.
	*1 C.	7E4F (S)	an'	2.6.5		2,34545	1771		15.45 42.
	38 ).	-11.6	70	2,476+53		1.17:4(6	1 2 4	•	6 7 4 7
			17	1.375+49			7 7 4 6	; .	-111-
146 55 46 3 213	32 (.	FROSTFORMT	2	1.316+69	100	7,5754(3	21.5		C. Ottootes
	• • • • • • • • • • • • • • • • • • • •	-24.5	9.7	1.2+5+43	161	1.37.46.5	, ç.		1315 C
			<b>9</b> 1	1. 33 6 + 69	141	1.782475	27.5	: .:	6 • • 3
		(A/A) S#4	9.0	1.355+69	203	5.4 45 40.4	3023		1AS (M/S)
		116.0	22	9.75E+A		2,1+5+15	1320		6.486.
	• •		*	6.35E+43		7,325464	3417		
		(0)	30	4.57E+38		3.4354.8	3914		ET (R/ES)
1.352-64 4518	•	.0/86/.8	82	97 E+08		4.00.00	+211	.;	383454.5
		TOTALS	?	1.202.1		1.435454	\$ 25 S	•	
2.325-01	1.335-12	2.65-01		7.235-02		13-254.1		4.896-72	1.95E-01
	410	I.1	0 F3 0	21		143		333	244

AFFIZ TOLMG SPOAV TEST BY AFGL
F\_IGHT E79-83 JM 21 JAM 79 1 SECOND AVERAGING
TATEFOAL STATTFOB138 649\*
PARTICLE SIZE OUSTBURY (NUMBER/HOST-M4)
IVPER RAIM SAMPLE! 11 AFFT: TCING SPRAY TEST BY AFGL
FLISHT E79-83 ON 21 JAN 79 1 SECOND AVERATING
THERAL STRATE-01 1384.1\*
PARTICLE SIZE DISTARBITIONS (NUMBER/4\*)-44)
TYPE: RAIN SAMPLES

CAL FACTOR: 14.0 FROSTPOINT 4, 04.3 TENP (C) P (HB) DISTANCES 300 FT 3, 35E+34 BELL ABORDER OF THE FOREST OF 5.807C-07 1.107C-07 1.107C FL 34 PATE: 26 GP4 5272 (49) CAL FACTOR: 14.0 PRESSUPE: 18 251 H20 4.27 11.23 12.43 12.43 13.44 14.45 14.45 14.45 14.43 1 SSATTER PROBE FROSTPOINT -2K.4 ALT (KM) TEMP (C) P (HB) 551.6 1,635+34 DISTANCES 300 \$17E PAESSUREI 19 PST HZO FLOW RATEI 20 694 CL 007 347£ (18) SCATTER PROBE 83642266420 83642266420 836426642

TAS (W/S) NT (N/HT)

2.235-31

5.51E-41 116

1.67E-01

TOTALS 6.62E-01 225

7,365-11

3.5 bE-[1 125

1.365-61

101

TAS (M/S) 119.9

NT (N/43) 1275972.4

AFFI ICING SPRAY TEST BY AFFEL PLISHT E79-03 OY 21 JAN 79 1 SECOND AFFRASING INTERNATIONS (NUMBER/Wees-44)
PARTICLE SITE DISTRIBUTIONS (NUMBER/Wees-44) SAMPLE: 11 AFFIT TOTAGE SPRAY TEST BY AFFIT BY AFFIT BY AFFIT TOTAGE TASTING TAST

CAL FACTOR: 14.8 10 TALS 8.59E-01 179 FR0ST#01WT ALT (KH) TAS (M/S) 119.9 NT (M/H3) 2849155.4 TEMP (C) P (#8) 951.4 DISTANCES 300 FT 2.91E-31 4.42E+34 PRECIP SIZE CAL FACTOR 14.8 PRESSIRET 19 PSI MZO FLOW RATER 26 ROW 7.5556.07 12.5556.07 12.5556.07 13.556.07 13.556.07 13.556.05 14.556.05 14.556.05 14.556.05 14.556.05 14.556.05 14.556.05 14.556.05 14.556.05 14.556.05 14.556.05 14.556.05 14.556.05 14.556.05 15.556.05 16.5 5.546-01 0,030 2403E STZE (10) 4.50 10.21 1 1.61E-01 21 SCATTER PROBE FF0STP014T TOTALS 6.77E-01 ALT (KM) 145 (M/S) 119.9 NT (N/M3) 1949054.4 TEMP (3) P (MP) 551.4 DISTANCE: 300 FT PRESTO STZE (41) FL7# RATE: 26 604 5.03E-01 117 5.040 2008 372E (10) PPESSUPE: 19 PST H20 1.60E-01 21 SCATTER PROBE

APPT3 ICEMS SPRAY TEST BY AFGL
F\_IGHT @79-83 On 21 JAM 79 1 SECOND AVERAGING
TWITEMAL STRETT-008138445\*
PARTICLE SITE DESTRUMENTATIONS (MUNICAL/H\*\*)-H4)
TYPES RAIN SAMPLE: 11

APT: ICING SPRAY TEST BY APEL INTERNATED AND AND ASSENCE INTERNAL SERVING PROBLEM?

PARTICLE SIZE DISTRIBUTIONS (NUMBER/NP-19-14)
FYPES BAIN SAMPLE: 11

:::

CAL FACTOR!	* : # #: . #	ALT (KH)	313		TENP (C)	-12.5	•	FROSTPOTMY	-\$¢.¢		TAS (M/S)	120.4		NT (N/M3)	1204151.9		TOTAL S	3.196-01	11
DISTANCE: 300 FT	\$4034 \$4034	2.596+13	1.686.31	<b>:</b>	:	:	-		-	<b>:</b>		-	•	<b>:</b>	•	<b>:</b>		1.764-32	•
01814	3218 (MB)	3	ì	į	1241	1510	1835	2132	2429	2726	1023	3320	3617	3914	4211	1591			
420 FLOW RATE: 26 6P4	3607.d C1'0013	2.8.06+67	2.192067	1.1%167	6.7 6.7 6	3.864.16	2.175+86	7.306.19	3.166+05	1.435+59	2.197.65	6.185+64	3.926+64	3.546+6+	3.276+64	2.1.65.64		1,326-61	115
FL04 R	3116	23	;	9	42	132	12.9	162	161	161	271	221	142	768	200	300			
	SCATTE*	1.995-60	5.17E+86	1. 31. 449	2.9.5.89	2.641.09	1.976.09	1.695+49	1.466.09	1.605+69	1. 12E+09	8.83E+68	6.615+48	2.43E+88	1.756+46	1.225+00		7.136-12	2
PPESSUREI 11 PSI	\$12E (M)	~	•	•	•	=	75	=	3	51	20	27	2	92	62	35		3	0 G3W
CAL FACTOR: 14.8	P (HB) 951.4	ALT (KM)	4,045		() <u>a</u>	-12.6		F > 05 TP 0 I NT	-55.6		(H/S)	128.1		N/M3)	2714473.5		101415	9.636-81	**
_	•	A.			16			£ 03			185			-	2714			÷	
DISTANCE: 380 FT	PRECTP	5.37E+34	•	<b>:</b>		•			.;	-	<u>.</u>	÷		•		-		3,575-31	ţ
91816	\$12E (MU)	;	ì	716	15+1	1538	1.035	2132	2429	2726	7823	3688	3517	3914	4211	456 A			
ME: 26 GP4	CLOU3	6.395.07	5.74E+C7	3.1 65+6 7	1 1E . C 7	0.365+66	2.315.16	1.388+66	9.315+05	5.17E+65	4.39€+65	4.1 46+65	7.565.84	9.376+64	1-376-65	9.515064		0.31E-C1	120
420 FL 34 RAT	3775	E:	.,	56	82	182	122	142	161	191	231	122	2+1	163	298	103			
	SCATTER	2.976+88	1.21.6.69	3. 87 E+19	5.19€+19	5.116.19	3.678+89	3.144.19	2.64.6489	2.276.499	2.13E+r9	1.056+09	1.286+09	5.415+10	2.67E+18	1.526+08		1.296-81	28
PAESSURES 18 PSI	(AN) 3215	~	•	•	-	=	24	:	2	=	2	27	2	2	2	*		3	MED 0

APPTS TOTMS CORAY TEST BY APSL
FLIGHT E79-83 O4 21 Jaw 73 1 SECOND AVERACING
INTERAL STATTOGETORING
PARTICLE SIZE DISTRAULIONS (MUNICALNO)3-44)

AFFT2 ICING SPRAY TEST BY AFGL
F\_IGHT E79-0-4 ON 21 JAH 79 1 SECOND AVERAGING
I VERRAL STATTO-PERSONS
PARTICLE SITE DISTRIBUTIONS (NUMBER/MOOS)-NN)
TYPER RAIN

CAL FACTORS 16.8 FR0STP0[4] 16MP (C) 745 (M/S) 121.1 ALT (KR) MT (M/M3) 1600020.7 F (#8) 951.1 DISTANCES 360 FT 5.68E+13 FLOW RATE! 34 GP4 CAL FACTOPI 14.8 PRESSURE: 18 25T H20 SCATTER PROSE \*\*\*\*\*\*\*\*\*\*\*\*\*\* FROSTPOTHT ALT (K#) TEMF (°) -12.5 TAS (M/S) NT (N/H3) 1579549.2 F (HH) 551.4 DISTANCES 3FB FT PRECIP PRESSURES 1J PST M20 FLOW RATES 25 GP4 2.030 P209E SCATTER PODBE

107ALS 9.89E-01 137

5.19E-01 123

5.29E-02 21

TOTALS 6.16E-01 168

6.53E-61 116

Committee of When the Committee of

SAMPLE 12 APPT2 ICING SPRAY TEST BY AFGL P.16HT EFF-B3 ON 21 JAN 79 1 SECOND AVERAGING TWIFFRAM STARTS BIRGALAS PARTICLE SIZE DISTRIBULIDAS (NUM BER/HFF3-44) SAMPLE 12

APPT2 ICING SPRAFEST BY APEL 15CHT EP-63 ON 22 AND TP 3 SCORD ANERAGING 14ERAL STATE-93-646.12\*\*
PARTICLE SIZE DISTRIBUTIONS (NAM 6ER/H0-3-44)

of manager of bidefields and between the state of the second of the state of the second of the secon

:::

	CAL FACTOR:	950.3	ALT (KH)	F. 854		(C)	75.7		FROSTPOTHT	-23.5		** (M/S)	121.1		17 (IVA3)	176341.1		TOTALS	6.326-11	1.46
	DISTANCE: 380 FT	PRECIP PROBE	6.396+93	1.67.6+01	:	:		÷	•	•	÷	:		<b>:</b>	-				4.276-12	<b>e</b>
	01574	3 218	7	3	į	1541	1536	1635	7132	6242	2726	3023	3326	3617	7 T.6 E	4211	4548	,		
IYPES RAIN	FL7M RATE! 34 6PM	360 % d	19.396.9	4.19E+67	2.115.67	1.296+07	6.846.86	3.586+66	1.575+66	1.836+76	6.84E+05	4.735+75	1.376+05	1.526+65	1.406.65	1.3 PE+05	8.325+64		5.694-61	128
_	FL 3# R	\$176	23	<b>.</b>	29	76	715	122	142	191	191	ž	121	24.1	26.9	9:	13.3			
	M20	SCATTER PROBE	4. 30E + 08	1.536.89	3. 41E+89	5.43E+89	4. 846.69	2.70E+09	2,31E+09	1.636+69	1.91E+09	1.436+09	1.296+09	9.985+08	6.128+38	2.c7E+68	1.975+68		1.032-01	21
	PRESSURE: 18 PSI	S 17 E (MU)	~	•	•	•	2	75	1	53	•	23	22	3.	92	28	2	!		MEN 0
	CAL FACTOR: 18.8	P (118) 551-1	ALT CKHS	6.0.4	•	1EMP (C)	-12.1		FOOSTPOINT	-23.4		TAS (M/S)	141.1		ET (R/M3)	1.46101.0		10141.5	6.976-31	142
	DISTANCET 300 FT	P403E	6.546+13	1.67[+]1	:		9.			•							: =	•	4.17.6-12	54,
	DISTAN	\$12E (#3)	3	647	į	1241	1578	1935	2132	5429	272€	4623	2 4 3	3617	101	1511				
VPET GAIN	TE1 34 6P4	CL0U3	4.505+17	*.16E+C7	2.49.5667	1.295+17	6.315+65	3.615+66	2.18.0.6	8.712.65	6.857.053	2.1 Ac + 8.3	504.57.5	2.2 AF + E 5	4.7554.	1750	1426	1176640	6.346.61	136
-	FL 34 RAT	\$17E (190)	23	<b>;</b>	62	42	112	122	4	191				1 1 1	94			•		
13dAL	H20	SCATTER PROBE	2.43E.88	8 - + · E + 18	1.936.49	3.56E+B9	2, 96 E+19	1.975+69	1.106430	1.375469	204 204	4.6764.9	13666	9.5.6.4	4 476 40	0.4564		7. /*5*10	7. 045-02	
	PRESSURE 18 PSI	SIZE	~	•	•	•	7	: 2	::	. :	::		3 8	3 4		8 8	::	7	9	MED D

AFT2 ISING FPAN TEST BY AFGL
F\_ICHT E79-01 ON 21 JAN 73 1 SECOND AVENGING
INTERNAL STATIO-1440119
PARTICLE SIZE LISTREBUITONS (NUMBER/MO-1-44)
TYDE: QAIN 12 SAMPLE SAMPLE 12

CAL FACTOR: 18.8 FR0STP01HT -23.5 TAS (M/S) 121.1 NT (N/M3) 2225683.6 TENP (C) P (MB) 951.2 11 (KB) DISTANCE: 300 FT 6.49E+33 4.48E-92 PPECIP CAL FACTOS: 18.0 PRESSURE: 10 PST 420 FLJM RATE: 34 GPM 7.87E-61 129 C. 0U3 1.38E-01 21 SSATTE" PROBE 1.02E+00 1.02E+00 F + 05 TPO 1 N T - 23, 4 TEMP (C) TAS (M/S) NT (N/H3) 1981923.4 P (MB) 951.2 8LT (KH) DISTANCE! 300 FT 4.995.1 3400d 7.00 4.00 PRESSURET 18 25 HZO FLIN RATET 34 GPM 6.91E-01 133 2,000 317E 9.41E-82 13, 48 E - 40 B 14, 15 E - 60 B 4, 5 4 E - 80 B 14, 5 4 E - 80 B 14, 5 4 E - 80 B 14, 5 4 E - 80 B 15, 25 E - 60 B 17, 7 E - 80 B 18, STATTER PROBE \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

AFFT: ISING SPRAY TEST BY AFGL
F.IGHT E79-83 ON 21 AN 79 1 SECOND AVERAGING
INTERVAL STATIONPERASISO
PARTICLE SIZE LISTRIBUTIONS (NUMBER/HOW3-H4) SAMPLE 12

::: SAMPLE: 12 (FFT.) FOLMS SPRAY FEST BY AFGL FLIGHT EF9-83 ON 21 JAN 79 1 SECOND AVERAGING THERMAL STATT-88148118\*\* PARTICLE SIZE DISTRIBUTIONS (NUMBER/M\*\*3-M4) MZO FL38 RATES TA GOM

SCATI	•	3 Z Z S	C 80	\$17E	PRECIP	6 (**)	3115	STATTER	\$17.5	58	4175	966.19	•
PROBE	_	ŝ	P4053	3	PROJE	551.1	OK.	PROBE	ŝ	P4 08E	3	PROBE	951.1
6.841	99+	23	5.3 12+67	3	1.162.94	4LT (KH)	~	7.346+88	23	5.155.87	9	9.145+63	44.7 (88)
1.99	60+3	*	4.715+07	647	5.026+31	4,849		2,125+09	, p	3.7 65.007	64.7	5.02F+01	4
4.95	60+	24	2.566+67	**6				6.695489	4	1.1 10.00	1		
7.536+69	644	82	1.456+67	1241		TE4P (C)	•	8.375+09	. 4	1.825.0.7	1241		TEMP (C)
6.311	+00	132	6.825+66	1538		-12.5	9	6.185+89	200	5.27545.6	***		4.2.6
4.721	60+1	721	4.196+06	1935			15	4.12Fe49	200	3.015+66	1836	: -	
3.84	60+3	745	2.435.00	2132		F. OSTPOINT	: :	3.675.69	241	1.45.47	2142		FR OS TPOT MY
2,946	6043	161	1.4.35+#5	545	;	-23.5	9	2.256+69	161	1.145+06	247		-21.1
3.111	6943	191	9.136+05	2726	•		9	2.696+83	181	5742020	2726		••
2.21	69+2	231	5.295+65	3023	:	TAS (H/S)	29	2.1×E+09	201	6,295+65	3823		TAS (M/S)
2.11	674	7,7	5.922+65	3320	.;	121.0	2	1.786+69	122	3.387+75	44.90		121.1
1.54	69+3	142	1.306+65	3517	;		24	1.235+09	170	1.167.005	3647	: 4	
1.01	6443	260	1.972+65	3914	•	NT (N/H3)	\$	8.775+08	263	1.225+85	101		MT (N/HZ)
5.675+66	93+	642	1,350+67	4211	•	2953349.7	2	4. 92F+68	28.3	1, 405 45 5	4211	; ;	1559AAT. 9
5.295+61	9:4:	133	1.196.03	4538				5. 82F+08	. 5	F. C. L. C. C.	1 5 2 5	: .	
						TOTALS	}		· •		•	:	TOTALS
1.766-01	1-01		7.376-61		7.825-12	8.656-01	3# 7	1.596-22		5.346-71		6.75E-32	6.568-81
	11		1+4		407	156	MEO 0	21		145		804	157

SAMPLE: 12 1FF7 INTEGRAT TEST BY AFSL FLIGHT E79-0" ON 21.1AN 79 1. SECOND AVERACING INTEGRATE STATE-808-48127\*\*
PARTICLE SIZE DISTEGRATE STATE-908-48127\*\*
INDER STALL SAMPLE: 12
F\_IS4T E79-03 ON 21 AM 79
1 SECOND AVERAGING
INTERVAL STATIODERUBILS\*
PARTICLE SIFT DISTRIBUTIONS (NUMPRAYMOWS-M4)
TYPE: ANIM

CAL FACTOR 16.8	P (#8) 551-1	ALT (KM)	6,0,7		TENP (C)	-12.6		FROSTPOINT	-22.9		TAS (M/S)	121.2		MT (M/M3)	1 20000	, , , , , , , , , , , , , , , , , , , ,	TOTALS	6.91E-01	111
DISTANCE: 30" FT	PREC19	1,855+93	3.346+91											: 2		: 4	;	1.365-32	413
DIST	\$12c	3	647	**	1241	1538	1835	2132	242	2726	1923	3326	1617	4101	100	4 6 8 9			
FLOW RATER 34 GPM	CL 3U3	1.295.87	3.89€+€7	1,315017	9.835+66	9.262+66	2.325.06	1.645+66	1.352.26	3.396+05	4.345+85	6.8 35+86	3.4.E+05	6.475.84	1.1.264.1	1.8 45 + 6.6	!	4.775-41	163
FL34 R	\$12E (40)	2 3	7	29	82	201	122	1.6.2	161	181	20.	72.1	7	26.0	28.3	20.0	•		
02H ISe 0	SCATTED PROBE	8.38E+86	2.25E+89	5.38 £+09	7.78E+89	6. 45E+119	3.416+49	3.136+89	2.41.5+09	2.63E+09	1.785+09	1.645+03	1.33F+09	7. 78F+0A	4. ABE +AB	4-085+08		1.456-01	7
PRESSURE 10 PSI	SIZ	2	•	•	•	2	18	3	16	5	25	22	72	26	*	œ.		200	
18.0																			
CAL FACTOOR 18.0	P (#8) 551.8	ALT (K4)	4.859		TEMP (C)	-12.6		F DOTTO MT	-23.5		TAS (H/S)	120.9		MT (N/M3)	1689892.4		TOTALS	10-3/9'9	?
DISTANCER 359 FT	36044 36044	3,395+13	1,67E+31		÷		÷.	:		÷	•	•		•	;	<u>.</u>		21-306-2	•
01514	SIZE	43 4	64.7	746	1241	1538	1835	2115	2429	2726	3023	3320	3517	3914	4211	4508			
HZO FLIM RATER 34 GPM	0,000 8209£	4.2 BE+C7	3.4 1E + C 7	1.350.7	1,125+17	7,595+86	2,775+46	2.53€16	1.345.16	5.855+05	3,425+55	5.1 4E+C5	3.84E+85	1.235+65	4.365+04	3,23€+04		6.44E-61	
FUNA	SIZE (40)	23	<b>*</b>	6.	82	133	122	3	161	191	202	221	241	364	18.	33			
	\$5477ER 2009E	6.516+83	Z. 85E+09	4. 516 +89	7.788+89	6-036-03	4.24E+69	3.14E+09	2. 32E++9	3- 82E+19	2.23E+89	1.75E+89	1.57E+89	8.93E+68	5.985+08	5.07E+08		1.656-91	
PRESSUREL 10 PST	\$12E (MU)	~	•	•	•	2	75	<b>4</b>	97	3	2	22	2	2.0	2	=		0 034	

1MG	CAL FACTOR!	P (48) 951-1	ALT (KH)	i. 1 t. 9		TEMP (C)	-12.5		FROSTPOINT	-21.6		TAS (M/S)	120.9		RT (N/MS)	1595537.9		TOTALS	6.84E-91	151
TEST BY AFGL \$ \$ECOND AVEPAGING 43:28° NUM BER/HP*; - H4)	DISTANCE: 309 FT	Peccip Penal	1.356.94	1.346.12	•		•	•	•	•		•	ċ	:					3.44.6	113
1 TEST 6 1 4 1 29 1 14 1 29 1 14 1 29	DISTAN	\$225 (41)	704	ż	**	1241	1538	1415	2132	2429	272€	1123	332 C	3617	3914	421	4 50 8			
AFFT. ICING SPRAY TEST BY AFGL R. IGNT E79-83 ON 21 JAN 73 1 SECOND AVE INTERAL STARTY SECRED 22 PARTICLE SIZE OSTREBUTTONS (NUMBER/MOSS/MOSS-MAN) IVPER RAIN	H2O FLJW RATER 34 GP4	0,000 73082	5.175+67	3.70€+07	1.995+07	1.1 56.47	5.775+65	3,346+86	2.242+06	1.885+66	5.425.435	2.505+05	2.050+15	1.305+65	1.546+63	1.426+05	3.7 6€ + 6 4		5.305-61	117
103 2M 1VT EN SI 7E DI	FL 34 RI	3248	£.	*	95	2	103	122	142	161	191	201	122	176	160	38.5	17.3			
4		SCATTER PROBE	9,165+68	3.035+09	7.326+69	1. L6E+10	7.396+09	4.156+09	3. 31E+09	2.77E+09	2.346.03	1.995+03	1.825+69	1,516+49	1.045+09	6.154.48	7.42E+68		1.786-01	12
SAMPLE 12	PRESSURER 18 251	S I Z E	2		٠	•	97	15	<b>1</b> 1	16	67	22	2	77	92	28	200		Ç,	C OSM
9 N	CAL FACTOR: 18.0	ь (ИВ) 551.1	417 (10)	6,8,7		TEMP (C)	-12.5		FKOSTPOINT	-22.5		T15 (M/S)	121. ?		(EH/HE) IN	108645.9		TOTALS	6.588-01	178
TEST BY AFGL 1 SECOND AVERAGING 40110* Number/4**3-H4)	DISTANCEL 3 00 FT	9905d	6-175-93	3. 446+91													3.		4.195-72	464
1 5E 1 5E 140110	71ST4	\$212 (M)	101	2 49	776	1241	1534	1435	2132	2429	2726	3023	132	3617	1914	4211	4506			
2 I JAN 79 1 5 5 COMD AVER 21 JAN 79 1 5 E COMD AVER 16 5 1 4 TH 19 1 1 5 E COMD AVER 1572 LOI II NS (NUMBER/1++3-H4) TYDEI RAIN	NE1 34 6F#	CL 0UJ	5.265+6.7	7 14 25 4 7	7.1 46+07	1-125+[7	5.39E+€6	1.962+76	1.605+16	7.916+65	4.555+15	6.375.6.5	3.4.25+55	3.04.04.5	1.5 7- 40 5	9.767916	5.73666.		6.162-61	136
45 FFT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	H20 FLNW KATE	S77E (40)	*	, ,	24		102	122	142	161	181	707	124	1 7	, <del>,</del>		11	•		
FLIGHT EP9-03 OV 21. TAFERVAL TAFERVAL PARTICLE SITE OUST		SCATTER PROBE	7.775+08	2.446.09	6. 136 . 19	8.27F+63	5,615+09	3. 73.64.9	2.76F+09	2, 6.2 - 60	2.235+64	1.735+19	1.636+69	1.156+19	7.855+08	7.55F	4.15F+0R		1. TSE-01	2
SAMPLE: 12	PRESSURE: 18 PSI	3718	^	۰. ۱	• •	•	97	-	: =		-	. =	?	1 2	, *	3 5	, <del>*</del>	•	2	MEJ D

19.8

CAL FACTOR 18.0 TOTALS 6.52E-01 149 FR05TP01MT ALT (KM) TEMP (C) -12.6 TAS (M/S) 121.1 1593229.5 P (MM) FLIGHT E79-03 ON 21 JAN 73 1 SECOND AVERAGING I HEDALL STATTO COLDIZE PARTICLE STAT POET QUANTEL/4007-44) DISTANCEL 360 FT 6.175-12 8.95F+13 6.68E+11 PRECIP BERTABUSAN SARAL BERTANDAN SARESA BERTANDAN SARESA BERTANDAN SARESA ERMANDAN SARESA CAL FACTORS 18.0 PRESSURES SO PST M20 FLOW RATES 34 GPM 5.38E-01 7,0JJ STZE (191) 99.209. 1. 1.68E-01 21 SCATTER PROBE S72E TOTALS 6.64E-01 156 FF 05TP0TNT -22.1 4LT (KW) 7EMP (C) TAS (M/S) 120.9 NT (N/M3) 1682167.1 P (MP) 551.1 AFFT: TOTAS SPRAY TEST BY AFFT.
FLISHT E79-63 NW 21 JAN 70 1 SECOAD AVERATING
INTERVAL STARTIFOCING 130
PARTICLE SIZE DISTABALIONS (NUMBER/N=07-H4)
IVPER RAIN DISTANCES 300 FT 1.15-14 PPECIP PRO9E PRESSURET 13 7ST HZO FL'N KATER 34 GFM 5.32E-61 142 7, 000 P. 08E 3775 6.50 6.40 1.486-61 SCATTER P409E 

21 (37dmf5

SAMPLE 1 12 AFFT TICING SPRAY TEST BY AFGL	FLIGHT ET9-83 ON 21 JAN 79 1 SECOND AVERAGING	I STREAM STAKE OF SAC	PARTICLE ALZE DISTALBUTIONS (NUMBER/Mees-444)	
SAMPLE 12 AFFT ICING SPORY TEST BY AFGL	F.16NT E79-	TATREFAL STARTE BOLDERS	PARTICLE SITE DISTRIBUTIONS (NUMBER/N**)-44)	

	10.1																			
	CAL FACTOR: 18.8	951.0	ALT (KM)	1.05		TEMP (C)	-12.6		FROSTPOINT	-21.4		TAS (M/S)	328.9		NT (WHE)	1937245.6		TOTALS	7.305-01	145
	DISTANCE: 300 FT	PRECIP	7.675+03	5.12E+91	:		-			<b>:</b>	•				•		-	:	5.295-12	=
	DISTAN	\$12£ (MU)	* 63	64.4	;	1241	1536	1635	2112	6242	2726	3023	3326	3617	3914	4211	458.			
IYPEI RAIN	HZO FLJH RATER 34 GPM	24045	5.0 6E+67	4.435+07	2.525.67	1.295.67	6.816+66	3.795.16	1.396+06	1.196066	7.1 35+05	5.316+05	4.796+65	1.3.5.15	1.375+65	9.326.6	6.396.6		6.9 5E-C1	136
_	FL3# R	(Ob.)	2.3		9	26	132	152	142	161	191	182	22.1	241	260	28.0	2			
		SCATTER PROBE	3.28E+09	3.856+89	9.436+09	1.226+10	7.97€+89	4.895+19	4.19E+09	2.73E+09	2.94E+09	2. TTE+09	27 € +09	1.766+09	1.13E+09	5.635+86	6.965+88		1.94E-01	7.
	PRESSUREI 18 PSI	\$12E	~	•	•	•	2	21	=	97	3	07	27	<b>5</b> *	92	82	æ		9	4£0 0
	CAL FACTOR: 18.8	P (N9) 551.1	4LT (KM)	4.849		TEMP (C)	-12.6		FROSTPOTAT	-20.9		TAS (M/S)	121.9		NT (N/WZ)	1968600.5		TOTALS	6.59E-01	148
	DISTANCE: 300 FT	360bd	6. 436+33	3.35€+11	•	3.	;	•	:	•	•	•	;			;	•		4.74E-32	• 0,
•	DISTAN	3218	101	64.7	**	1241	1538	1935	2132	6242	2726	1323	3326	3617	3914	4211	450 e			
IYPER GAIN	TE1 34 6P4	C_003	7,2 = E+07	4.52E.07	2.145407	1.20E+C7	5.49£+C6	3.395+66	1.395.66	1. + OE+C 5	5.56E+C5	5.295+05	2.155.15	1.145.05	1.335+65	9.235+6+	5 3º + [ +		5.15E-C1	131
-	H20 FLOW RATER 34	3118 (34)	23	,	25	6.	102	12.2	142	191	181	102	121	241	.90	3.5	702			
		SCATTER PROBE	8.335+68	3. 166+89	7. 85E+89	1.052+18	7. 63E+09	4. 67 E+89	3.77.64.9	2.625+09	2.83E+63	2.145+63	2.156+09	1. 185+09	9.115+08	6.89E+18	6.655+38		1.736-01	27
	PRESSUREI 10 PSI	\$125 (44)	^	<b></b>		•	77	3	3	97	87	28	22	2	32	28	. 25	•	28.7	HED 9

CAL FACTOR 18.8 FROSTPOINT -28.2 ALT (KH) TEMP (C) TAS (M/S) 121.2 NT (WHB) 167-924.4 7 (#8) 951.1 AFFT2 ICING SPOAV TEST BY AFGL
F.IGHT E79-t3 ON 21 JAN 79 1 SECOND AVERAGENG
TYTEPHAL STATTO-08140128\*
PARTICLE SITE DISTABULIONS (NUMBER/NO-3-H4)
IVPER RAIN DISTANCE: 300 FT 8.78E+93 5.35E+91 0. 1.955+81 PRECIP FLIM RATER 34 GPM CL 001 \$17E CAL FACTOR 18.8 PRESSUPE: 10 PSI H20 SSATTER PROBE \$12E (AE) 2466233555555 F40STPUINT -20.6 4LT (KM) TEHP (C) -12.6 TAS (9/5) NT (WH3) 1785172.5 P (MP) 551.1 AFFICION SPRAY TEST BY AFGL
FLIGHT E79-63 OU 21 JAN 79 1 SECOND AVERAGING
INFERVAL STAFT1\*\*00160123\*
PARTICLE STYF DISTRIBUTIONS (NUMPER/VH\*3-M4)
IYPER RAIN DISTANCES 309 FT P92778 SI7E (4U) FL JU RATZE 34 GPM 9.00 (1.00 ( 2,000 PPESSURE 10 3ST H20 SCATTER PROBE 246622568

TOTALS 7.90E-01

7.23E-62 .26

6.78E-01 137

TOTALS 6.24E-01 175

5.30E-01 130

1.05E-01 21

ž.

SAMPLES 12

SAMPLE: 12

AFFT TOTMS SPRAY TEST BY AFFL LIGHT E79-83 ON 21 JAM 79 1 SECOND AVERAGING Lifewal Strafise 1148-259 PARTICLE 512E DISTREBUTIONS (4UMMER/H0-3-H4) SAMPLE 12 AFFT: ICING SPORY TEST BY AFGL
FLIGHT F79-E3 ON 21 JAN 79 1 SECOND AVERAGING
INTERAL SITE OF 14012NS
PARTICLE SITE DISTABULIONS (NUMPER/MOW) HYD SAMPLE

CAL FACTOR: 18.8 TOTALS 5.59E-81 FROSTPOINT -26.1 7ENP (C) TAS (M/S) 128.8 551.8 ALT (KM) NT (N/H3) 1601621.7 DISTANCE: SEB FT 7.026+93 1.016+62 PRECTP FLOW RATER 34 SPM 5.38E-u1 132 CL 000 3218 PRESSURE: 10 PSI 420 SCATTER PROBE 2.51E-01 32777255777 CAL FACTORE 16.0 707&LS 8.146-01 F.OSIPOTNT 7E4P (C) 145 (M/S) NT (N/M3) 2115884.6 551.0 4LT (KH) 6.915-32 410 DISTANCES 300 FT 9.47E+33 PRECTP PRO3E ジェリンガスのムアスロット カムサリモア アンススススス にんちょう しょうしょう しょうしょう しょうしょう りょうしょう ちょうしょう しょうしょう しょうしょう しょうしょう しょうしょう しょうしょう しょうしょう しょうしょう しょうしょう しゅうしゅう しょうしゅう PRESSURER 18 PST HZO FLOW KATER 34 GPM 7.45E-C1 C. 043 371S 1.576 to 97 2,33E-01 21 SCATTER PB08E 0 

AFFI: TOTMG SPRAY TEST BY AFGL
F\_IGHT E79-03 ON 21 JAN 79 1 SECOND AVERASIMS
TYTERAL STATE ## 14123\*
PARTICLE SITE DESTRUCTIONS (MUM 9E 4/40\*3-M4) DISTANCES \$30 FT FLOW RATER 34 GP4 CAL FACTOR: 18.0 PRESSURE: 15 SI H20 AFFI ISLNS SPRAF TEST BY AFFL
ISLOND EVENDENCE
INTERAL STRETT-OFFIGOROF?
INTERAL STRETT-OFFIGOROF?
PARTICLE STEE DISTABILITIONS (NUMBER/HH) DISTANCEL 330 FT

SAMPLE 12

CAL FACTOR 18.8 1074.8 5.98E-61 FP 05TP0I#T 10 31 506.3 ALT (KH) TEMP (C) TAS (M/S) 126.7 P (mb) 551.8 4.14E-82 5.75£+13 6.39E+11 PRECIP PP09E STZE 5.53E-01 C. 0JD S 2 2 E SCAFTER PROME 2.546-01 TOTALS 9.82E-81 133 FROSTPOINT -26.1 TAS (M/S) 120.8 NT (N/H3) 1666929.3 ALT (KM) 1EMP (C) -12.7 P (MB) 551.1 4.01E-02 412 5.675+33 PRECTP BP NO GOOD BP NO B PRESSURE: 12 351 HZO FL3M KATER 34 GPM 5.+1E-01 126 2,000 \$77E 2.496-01 SCATTER PPORE 

SAMPLE

	;								
	CAL FACTOR! 6.8	F (MB) 551.4	417 (881)	TEMP (C)	F 20STP01MT -22.6	TAS (N/S)	47 (W/H3) 475616.8 TOTALS	1.26E-01 111	
2	CAL	•	ţ	TEN	F 20S	118	. TH 75	4	1 NG
1657 BY AFGL 1 3 500MD AVERACING 16122 - 10186 R/H++3-HH)	DISTANCER +88 FT	PRECIP	;::	6 4 6				;	EST BY AFGL 1 SECOND AVERAGING 48 + 25 *
1681 B 1 36 168122*	DISTAN	SIZE	733	1538	2429	3023 3023 3324 3617	391¢ 4211 4211		7557 8 1 56 1 1 5 6 1 1 1 1 1 1 1 1 1 1 1 1 1
AFFI ICLING SPRAY TEST BY AFFI STEED AND TO AND SECTION OF SECTION AND ASSESSED AND ANGEN AND AND AND AND AND AND AND AND AND AN	HEO FLOW LATER 15 6PM	CL0U3 P208E	1.652.407	2,75E+36 1,81E+06	3,2,6,405	2 . 2 . 2 . 2 . 2 . 2 . 2 . 2 . 2 . 2 .	វក់ត	1,:65-1	FIGAT E79-03 JN 21 JAM 79 1 SECOND AVER INTERAS STATE-001448-25 PARTICLE SIZE JUSTABULIDMS (NUMBER/Me+3-M4)
43 04 2476 24 2476 35	F.34 44	17F)	~ n n t	9.9 <b>8</b> 1	791	7 7 7 7 7 6 0 0 4 7 0 0 0	30.00		20 20 20 20 20 20 20 20 20 20 20 20 20 2
€		SCATTER 2 203E	2.35E+88 9.36:+88	2.2.4E	2.68E-09 1.78E-09 1.63E-09	2.54F4.8 2.54F4.8 7.56F4.8	2	6.56 <u>5</u> -82 19	<u></u>
SAMPLE 13	CAL FACTOR! 6.6 PRESSURE! 10 PS.	S125 (MJ)	N ++	n + 0	2 3 C	# <b>#</b> # #	# & O	LING MED 3	SAMPLE: 13
	•								
9 =	CAL FACTOR	P (MB) 551.4	4LT (KM)	TEMP (C) -11.7	FROSTPOINT -22.6	14S (H/S) 120.2	NT (N/H3) 58419-1 101ALS	1.146-01	98.
SPARY TEST BY AFGL 73 - 1, SICONO AVERAGING 11 - 68 - 68 - 28 - 11 ONS (HUMBER/40-3-HH) 11 N	DISTANCES 408 FT	PRECIP PRJBE	1.58E+11	:::	;;;;	:::		7.62E-14 633	PARY TEST BY AFGL 5 150000 AVERACING 15005662Le 15005662Le 16005662Le 16005662Le
1651 1 1 5 5 646128 (NUMBE)	DISTA	\$12c (#J)	33	1541	2132 2132 2429	3326	3914 4211 4508		PRAY TEST 98 4 1 5.23 1 4 0 0 1 4 6 1 5 1 9 2 0 0 0 1 8 6 1 8 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9
NATIONG SPAN TOTOTO STATEMENTS THEREN STATEMENTS PARTICLE SIZE LISTAIGHTONS	420 F.JW 24TE: 15 6PM	CL0J3 P338£	1.556+17	1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	のできる。 (2) では、 (3) では、 (4) では、 (4) では、 (5) では、 (5) では、 (6) では (6)	2.38E+15 1.25E+15 3.44E+14	:::	1.135-C1 124	AFF.5   ICING SPGAY TEST BY AFF.   INTERACTOR   INTERPRETATION OF AFF.1   AF
111 10 Ed 11 E	F.3W &	312E	2 P	20.00	1.42		1.03 3 19 m r 10 1 1 m		20 TH H
2		SCATTER	3.73E+08 1.32:403	60 + 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10000000000000000000000000000000000000	2 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2.66m+08 2.56m+08 3.56m+64	7.85£-02 18	4
Samele 13	PRESSUREL 18 PSI	17H)	N	* 5	222	1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	14 4 5 N (1 P)	ENC HEJ D	SAMPLE

CAL FACTORS	P (HB) 951.4	ALT (KN) 4.845	16MP (C) -11.9	F.05TP0[MT	TAS (M/S) 120.3	NT (N/N3)	1074LS 1.34E-61
DISTANCE 400 FT	PROBE	en.	i i i	••••		- · · · ·	• ; ;
1210	SIZE	113	1241	2132	3923	3914	
H20 FL34 23TE1 15 604	C_030	1.775+17			9.39E+84 1.83E+3.5	***	1.346-81
FL3# 3	32:58	W H I	2.25	101	221	2000	
	SCATTER PRUBE	2.97:4.8 1.13:469	5.19E+89	1.005.450 1.005.450 1.005.450 1.005.450	7.138E+00	2.54E+65 7.64E+67	7.196-02
PRESSURER 10 PSE	5.12E (MU)	<b>*</b> 1 * •	0 7 27	3333	22.2	22.5	LNC
8.0							
CAL FACTORE	P (MB) 551.3	ALT (KM) 4.846	TEMP (C) -11.8	FROSTPOINT -22.6	TAS (M/S) 120.2	NT (N/N3) 473561.8	TOTALS 1.83E-01
TH OUT TOWNSTE	PRECIP	7.16E+13	• • • • • • •		0.00	# p G	4.72E-32
MISTO	SIZE (MU)	336	1536	2132	3023	3914	
ATE 1 15 SPH	C.JO	1.445407 1.426407 1.426407	3.422465		1.250E+65 5.39E+04 3.	7 - 1 82 + 6 3 1 - 4 4 5 + 1 + 1 1 - 4 9 7 + 6 1	1.35E-01 114
HZO FLOW KATE	512E (10)	in my	122	777	533	20 0 E	
02F JSG 11	SCAFFER P-03E	2.47±+03 1.145+03	50 - 13 - 15 - 15 - 15 - 15 - 15 - 15 - 15	1.54.3	9.37E+08 8.222+08 5.182+08	Z.362+08 1.22E+.8 8.37E+07	7.07E-02
PRESSURER 14 PSE	10m) 3218	NI .+ u	****	y .+ ·0 m	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2 2 3 2 5 8 8 8 8 8	LWC HEG D

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	:																									:																
*	CAL FACTORS	P (MB) 951.4	ALT (RE)	*: 5.5			7	•	FROSTPOINT	-22.7		115 (N/S)	128.7		MT (N/H3)	641751.1		TOTALS	1.207.1			2	è			CAL FACTOR		P (88)		1(7 (10))	÷ 856	4	TEMP (C)	-11.	THE TRUTH	7.66-		TAS (M/S)	120.7		NT (EVR3)	549607.0
)Y AFEL   30MD AVERAGI   / H** 3-H4)	DISTANCER NO FT	PRECIP PAGRE	1.056+31	1.685+91	;	:	;	•			÷	.:	;	ċ		•	•	7 707 .	30 1 30 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	;		T AFGE	COMO MERMAN	(MM-1-44)		DISTANCES .CO FT	:	PECIP				<i>:</i> .	<b>:</b>	: -		: 4	-			· -	:	-
TEST BY AFGL 1 3:2040 A 148:25* (WJEER/H**3-	DISTAN	312E (MN)	;	ż	į,	1541	1538	1135	2134	5429	2726	3023	3320	3617	3914	+211	9 (5+					1651	1481279	S S S S S S S S S S S S S S S S S S S		DISTAN		2125	}	3	<b>6</b> 4 4	*	7527	0261	2112	25.5	2726	3823	332	3617	3914	1211
CLUM SPRAY 21 JAN 73 14 START#*38 STRIBUTEJUS YPZ RAIM	F_34 84TE1 15 6PM	C_ JUD P. J&E	2.+26+67	1.596.1	23+365.7	4.3754.6	2.4.5+66	1.162030	3.53E+15	2.916+25	2.035+.5	3.125+64	1. J. 3E+F. 5	•	<b>:</b>	:	<u>:</u>		106			S TOTAL SPEAK	TELECT INVESTIGATION AND AND AND AND AND AND AND AND AND AN	SNOTTHE STATE STATES OF THE ST	TYSE SAIN	420 F_34 PAIEL 15 SFM		C. 00		1.035+17	1.542.67	5. 3E+05	3.736.0	7 34546	2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	7.45455	2 . B5E+E5	3.1754.6	335+6+		;	
14FF 14FE 10 3512 10 3512		512 E	<b>~</b> 1		2,5	82		122	241	191	1.51	231	221	2+1	, o.	9	3 6 6						141 524	17 521	_	F_34 23		7715	•	53	₩.		20	27		<u> </u>	181	233	122	142	90.	•
u.	120	SCATTER PROSE	1.37:+68	9.555+48	2.325+03	4.23:+03	3.55E+09	2.335+09	1.89:+03	1.18:+63	1,38:+89	1.145+49	6.545+88	5.765+68	2.58=+.9	1. 5.6 × 6.8	7.586+07	60	10.4				-6.2 -Le1-4	PARTICLE	1			SCATTER		1.82E+09	9.33:+68	2.785+89	4. 7.52.403	0.4454.0	0.46.0	F 7 4 2 8 5 7 5	1.765+03	1.185+03	8.385+08	5.512+38	2.515+08	
SAMPLE 4 1:	8.0 PRESSURER 14 SE	S12E (UN)	~•	•		•	3	21	*,	£3	2	2	≈	*	.c.	€;	3	•	460.0			SAMPLE 1 10				8.8 PRESSURER 13 PSI	!	. ZI Z.		~	•		•	33	: :	: =	1	28	22	<b>12</b>	52	:
9	CAL FACTORE &	P (MB) 551.4	ALT (KM)	** 845		(C)	-11.9		FOOSTPOINT	-52.6		TAS (M/S)	126.8		N (N/M3)	+ 852, 8. 5		101815	1961							CAL FACTOR! 8.		551.5		ALT (KM)	N#8*#		ייין אַ	277	Fanctonter	-22.7		TAS (N/S)			MT (NVM3)	
PRAV TEST BY AFGL 9 1 SECOND AVERAGING 1-0814-8124 DNS (NU4 BER/M++3-M4) N	DISTAULT 468 FT	PROBE			٠.	•		•		;	<b>.</b>	•	:				;	•	•			157 BY ATAL 1 RECORD ACTRACTOR		(HH-E++h/)		DISTANCES +00 FT		14:01F	!	7.136+33	;	<b>.</b>	: .	•	,,	; ;	:		•	•	÷	•
PRAY TEST BY 9 1 521 1 608140124+ 0NS (NUT BER	01514	SIZE	404	9	5	1541	1530	1835	2132	545	2726	3,423	335	3617	391.	112+	£27°					2	148125	(NUMBER		DISTA	;	3716		4	4			1835	2132	2429	2726	3923	3320	3617	161	
CICING SPRAY 21 JAN 79 FAL STATE + 68 (STRIBUTIONS)	NTE 15 6PM	CL0U0 22086	1. 1354. 7	1.4.E+C7	5.475406	2.445.0	1.622.426	5.55.465	2,312,4(2	2 - 1 - 2	5. 75E+C+	3.2754.4	3 25 4 6 4	3.33.4.4	÷.		:		103		2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2 15145 SPEAT	14. STACTIONS	IST KI BUTA DNS	PIWY SECAL	pes ét 13185		P 203		1. 395+1/	1.2854.7	3041400		4 1774 4	5.772+85	1.5. 84.3	1.15€+.5	1.572+05	;	3.63E+34	2.34E+64	
STATE STATE	F.34 411	\$12;	<b>M</b>	*	2 (	20	27	2	2+1	101	181	104		*	e :	, , ,	•						INTER	215	_	F_034	;	115		K 1	* 1	2 6	, ,		7	101	181	272	32.	2.51	290	
3 FFT ICING 5PR F_LT4T E79-33 ON 21 JAN 79 INTERAL 518216 PARTICLE 5122 JISTABJITON TYSE AMIN	11 931 420	SCATTER 2433E	69436743	9.345+08	5.23E+.3	#	2.75:4.3	E-+10/*7	1.37.4.9	1.1354.3	1.42.4	B + 15 + . 6	5.57=+68	3.37.453	1.60.1	1.222.453	4.14.1	6.155	19			F_1547 =70=		PARTICLE		18 PSI 420		3641 FE	ı	1.635+68	7.77.4.8	2 - 4 - 4 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5		2 6 . + 6 3	1.525+09	1.235+69	1.48E+63	9.362+08	5. 35: +68	4.115+38	2.30E+bB	
SAMPLE: 13	PRESSURER 1	SIZE	~•	•	.n .	•	:	2	3	5	=	2	22	÷,	<b>C</b> (	B2 :	=	•	3.50							PRESSURE 18 PSI		(f.)		∾ .		n -	٠.	12	3	::4	=	87	75	*2	2	•

LW2 7.53E-02 ME2 0 19

*	CAL FACTOR	P (MB) 951.2	ALT (1011)	· 12.3		TEMP (C)	-11.	FROSTPOENT	-22.8		TAS (M/S)	1.221	TANAN IN	35995.4		TOTALS	10-362-4	212		940				CAL PACTOR	P (MB) 951.5	ALT (KOH)	F. 05 H	TEMP (C)	-12.0	F. OKTPOTET	-22-		18.5 (M/S)		HI CENTS		1014.5	141
1 3 E 2 OND AVERAGING 1 3 E 2 OND AVERAGING 18 16 °	DISTANCES 660 FT	PRESTO PROBE	2.355+34	•	<b>:</b>	:	: -	: -	::		•	<b>.</b>	•			;	1.556-11	;		137 37 AFGL 1 SECOND AVERAGING		(h#-8-+/)		DISTANCES 488 FT	PRECIP PROBE	1.65:+34		: -:		•		<b>.</b>	•	•	<b>.</b>	•		
V TEST   1 3	DISTA	SIZE	3	3	**	1561	1950	2132	5429	2726	3823	3320	100	4211	4508						6138115	CHUM BE I		) ISTA	SIZE	3	3	1261	1530	6681	5429	2726	9215	3617	3914			
F.EG4T E79-83 TH ZE JAN 79 1 52000 AVEL F.EG4T E79-83 TH ZE JAN 79 1 52000 AVEN FARTICLE SLZ JASTERBJEONS (NUM GER/MP93-MN	420 FLJ# 41TER 19 GPN	3,040 > 208E	2.515+37	2.352+47	1.296+67	3.456.0	3.852456	5.356+05	4.456+15	1.695+09	1.735.5.1	1.30:+75	**************************************	b. 71E+: 4	* . 225 * . *	•	2.745-61	121		NATE LIGHT SPEAK SENT AT AFEL DA 21 JAN 79 1 SECOND A	INIERAR SIRRIPOSESBELS*	ISTRIBUTIONS TYP£I RAIN		.)# 411Et 19 6PM	0.000 PRJ8E	3. 45+67	2.17=+87	5.765+66	2.77E+L6	L. 53: +80	*******	1.135+85	1.356465	3.765+04	3.52E+E4	2.956+64		152
MC E9-	FLO#	312.		PO 	2,5	25	217	1 +2	101	191	3.7	4 : 61 :	1 1 1	9 6						-03 D4	YE IN	517: 3			3235	71		25.0	127	122	191	131	4 6	1.2	. 3 ·	7 27		
	10 25 H20	SCATTER PRIBE	2.77=+.8	1.856+09	2.385.13	5.33E+89	4.36E+13	2.72F+49	2.24:4.3	2.11E+03	1.73=+.9	1.352403	1.085+69	1.17.4.0	1.53:+68	•	10.7:-11	61		ď		PARTICLE		1, PSI W20	SCATTER PROBE	3.376+.8	3.292+06	5. 4BE+84	4.36:40	2.616+63	1.645+83	2,145+83	1.991.419	7.766+#8	3.525+88	1.572+08		61 61
SAMPLES 14	PRESSURE	SLZE	•	ı . <b>•</b>	'n	•	<b>9</b> 7	u -3		<b>61</b>	53	22	N 6	3 2	3	!	2	MEJ 9		SAMPLE 14				PRESSURE 1	SIZE	N	.•	•	1	21.	; <u>;</u>	2	200	3.	2 2	. <del>.</del>	•	MEJ 0
9 H	CAL FACTOR! 18.8	P (MB) 551.3	ALT (KM)	4.846		TEMP (C)	-11.3	FROSTPOINT	-22.8		TAS (M/S)	122.0	- THE CALLED	516221.6		TOTALS	10-369-1	661		ING				CAL FACTO? 8 10.0	P (#8) 551.3	ALT (KM)	4.846	TEMP (C)	-11.6	F 2 OSTPOEMT	-22.8	186 00 00	122.8		MI (M/M3)		TOTALS	**************************************
CING SPRAY TEST BY AFGL JAN 79 A 1 SECOND AVERAGING STATICHDISDIALO 218JIZONS (NUMBER/HOW3-MM)	DISTANCES +00 FT	PRECIO PROBE	65.+03		•	<b>.</b>	•	; ;		•	:	• .	• -		5.		20-715-6	,		JAN 73 I BECOND AVERAGING		(FE-844E)		I A DOT BOOMSIST	PROBE	3.			<b>.</b>			<b>.</b>	•	•	• .	:	.•	<b>-</b> :
1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1	JISTA	SIZE	707	2 19	736	1421	1 3 30	2132	5459	2726	3,23	3320	100	+211	4538						153113			1577	SIZE (NU)	3	3 6	1241	1538	2134	5429	2726	3326	3617	5914	989		
7) [CIVG SPRAY TEST BY AFGL 21 JAN 79 1 SECOND ANSE 21 JAN 79 1 SECOND ANSE 3157184710MS (NUMBER/Mees-Mu) TYPES ANIM	41111 19 6PM	360 d						5.4.54.5				* * * F : * C				* 3 - B 3 - *	11-101-1	•	•	21 JAN 73	144. STA271*0	FSTRIBUTIONS (NUMBER/A**3-R4)		H. P RT 15183	38C≥4		2. 44E467 1. 846467			5.085+15		1.66:402			• •	:-	1.966-01	***
NO 204	7	31.ZE	2.5	*	52		2.7	24	151	167	7			28.5	, ,				1 1 1	-33 3W	2012244	215:	3	2	3218	23	M (√	. 29	777	4 + 4 -	101	191	172	7.	3	Ĭ.		
A TFT 279-83 ON 21. 10 10 10 10 10 10 10 10 10 10 10 10 10	024 154 01	PROSE	2.335+.8	1.18:+69	2.78:+0±	20136403	4.47.4.E	2,665+89	2.315+13	2.435+09	1.652+63	10001 + 1000 T	3.3.1.4.4	1.+36+08	1.50:+69		19 - 12 - 14	?		F-154T E79-33 3N	1	PARTICLE SIZE	120		SCATTER PROBE	2.545+.3	3-545	5.112+63	5.452409	3-8-6-03	2-17:+83	2.26:4.3	1.65E+33	6.25:+08	3.302.483	3.15=+48	1-196-61	82
SAMPLES 14	PRESSURE: 18 PSI	512E (H3)	٧			^ =	? ~	14	C.T	<b>1</b>	23	N 6		82	ĸ		2 9		CAMPIER				120 Ct 120137 200		5125 3419	N	.• ,6	•	40	: :	4	2 2	27	<b>.</b>	\$ £	53	2	HED 3

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¥	CAL FACTOR! 10,0	P (38)	ALT (KM)	245		TEMP (C)	-12.1		F & OSTPOINT,	-22.91		TAS (M/S)	122.3		MT (M/M3)	968122.2		TOTALS	2.015-01	991
1831 BY AFSL 1 Sicomo Averacine 1818: 134 BEK/1003-184)	DISTANCE: 488 FT	PROTE	:		•	÷	<b>:</b>	-	•	;	:	3.	•	•	;		3			-
1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	DISTA	SIZE (MU)	;	6:1	4 16	1241	1538	1835	2132	575	2726	3023	3326	3617	3314	4211	. 164			
FLIGAT EP9-03 OF 2C ARL T SCOND AVEL FLIGAT EP9-03 OF 2C ARL 2 SCOND AVER PARTICLE SITE 715 ALBUTTONS (404 BEX/Recommended to the Commence of	420 F_3W 41EE 15 GPM	0.04E	2.255417	2-+3E+67	1.075+57	5.39E+46	2.12E+66	1.492+26	3.6.5+65	4.46E+C 5	1.416+65	L - 23E+45	1.352+05	:	-		•		2.15-11	106
43.04 14162 14163 5116 )	F.3W <	(DF)	~	**	9	75	132	7.7	142	101	191	201	221	7	:92	285	305			
		SCATTER PROBE	2.125+65	7.555+08	2.82E+.3	3.546+09	3.212+.9	2.16:+.9	1.73:+09	1.432+09	1.525+03	1.2354.9	1.17:+03	6.315+88	3,425+08	1.655+43	1.275+68		7.885-32	
SAMPLE 14	PRESSURE	\$12E (HJ)	<b>N</b>	•		•	4	75	-	15	10	ຸລ	22	*2	56	£2	33		3	O THE O
9	CAL FACTOR: 10.0 PRESSURE: 18 PSI	P (MB) 551.5	ALT (KM)	5. B. S		TEMP (C)	-12.1		F.OSTPOINT	-22.9		145 (H/S)	121.6		NT (N/H3)	879750.8		TOTALS	Z.79F-01	130
PRAY TEST BY AFGL 9 1 SECOND AVERASING 1 OF SECOND AVERASING 1 ON S (NUMBER/NOSS-NM) N	DISTANCE 460 FT	PROBE	9-115413		: -:		: ;								: -			:	5.33€-02	4
SPRAY TEST BY AFGL. 1820NO A. 1908:16° 10NS (NUMBER/M <sup>®®</sup> 3~) 1N	DISTA	SIZE (MU)	164	244	1	1241	1530	1835	21.32	F 29 2	2726	3123	332.	36.17	101	1211	4 5 4			
27553	M20 F_JW 24.28 13 6PM	G_0UJ 02JBE		7 17 24 7	4 10 10 10 10 10 10 10 10 10 10 10 10 10		2.95++65	1.5474.5	47.4.5	1 4 2 4 4	9 14 100 1		3.31541		4 2 4 7	1.4265	4 4 4 4 4		2.26E+[1	:12
103 DW ENTER SIZE DI	F_3# 2	312 (45)		3 7	. 6	1 1			1 4							ď	, ; ;	;		
1-1011 E19-03 ON 51 JUNE 12118011 E19-03 ON 51 JUN 12 JUN		SCATFER PROSE		07420407	1.335.43		7.54:482		2.21.4.0	701473	634463		1 1 2 7 4 7 3	4		004-00-7	004516		A. 43F -82	61
SAMPLER 14	PRESSURET 18 PSI	517E	•		٠.	n =		• :	4 4	•	9 3	3 6	5 6	; :			8 5	•	9	HF3 3

9 2	CAL FACTOR!	P (MB) 551.6	ALT (KM)	TEMP (C)	-12.1	FROSTPOINT	6.55	14S (M/S)	122.2	MT (M/HZ)	343152.5		TOTALS	2.7%E-01 124
TEST BY AFGL 1. SECOND AVERAGING 50119* NUMBER/M**3-M4)	DISTANCER +:0 FT	PROTE	7.06E+83		•	• •	•	•			: :			** 64E-12
150 13 150 13 (NUMBE	DISTA	(FW)	34	1241	1530	1635	2429	3023	3320	100	4211	4500		
AFFIZ IZING SPARV TEST BY AFFL FLIGHT E79-35 ON 21 JAM 73. A ST JAM 75 AFFL [41724A, STRATT-POFFSG 159* PARTIZLE 512. 01517, BBJT3NS (MUMBER/H+*3-H4)	420 F_3W <\$fit 13 62M	C_0JJ P209E	2.94E+67	1.61200 5.12000	97+321-2	2.15E+66 9.25E+65	3.66E+65	1.35E+65 3.88E+64	3.392+14	3. / /E+84	1.416+2+	1.265+44		2.27E-61 113
1546 10 51-1 0 5181 0 5181	F.3# <	31.2 (4.3)	M M 6	2 70	707	271	191	101	221	4 2	9 60	30.		
7		SCATTER PRIBE	2 - 35E + CB	3.665+09	2.75E+09	2.165+63 1.595+03	1.45E+69	1.342+09	1.866+4	5 - 15 - 15 - 15 - 15 - 15 - 15 - 15 -	1.23E+08	1.355+68		5.66E-92 20
SAMPLE 1 14	PRESSURE	121S	₩.	.0 🖛	3	2 4	<b>:</b>	13 28	25	2, 2,	23 23	Dr.		OOM
SNIS	T CAL FACTOR: 10.0 PRESSURE: AJ PST	P (MB) 551.5	ALT (K4) 4.843	TEMP (C)	-12.1	FROSTPOTNT	-52.9	165 (8/5)	121.8		TO COLOR TO		TOTALS	2.01E-01 109
TEST BF AFGL 1 SECUND AVERAGINS 5.117* NUMBER/4**3-M43	DESTANCES +00 FT	PRECIP PP 19E		., 6				<b>.</b>	;;	:	• •		;	
1 SE 1 SE 15117 153117 (NUMBE:	DISTA	S12c	40 4 6 4 7	946	1538	1835	2429	2726	332.	3617	4214	1538		
1-FF, ICING SPRAY TEST BY AFGL 1 SECOND AL JAN 79 1 SECOND AVER 1 MIERK, STATTFOOFFDAIL?* PARTICLE STEE JESTAGATIONS (NUMBER/4**3-M4)	450 F.34 RILLE 19 6PM	3,000 33,045	2.4.20.7	3.432460	1.3124.6	1.2124-0	4.74.405	1.135+05	1.025+15	7.556+14	: -	: .	:	2.016-61
1967. 03 08 6 146346 STZE JES	F.34 33	31.ZE	n M N J	. o d	;	25.	151	181	227	.4 :	, e	305		
ď.		SCATTES PROBE	1.832+08	2.54:+.9	2.305+09	2.245.459	1.435+03	1.66E+.3	3. 39E+68	5.535+88		4.1.5F		7.15E-u2 19
SAMPLE 8 14	PRESSURER 10 951	31Z: (HU)	t 10	•	• =	27		<b>\$</b> 7	22	<b>4</b> 2	2		•	180 180 180

:

<b>£</b>	CAL FACTOR: 14.0	7 (NO)	ALT CERT	4.854	()	6.14-		FROSTPOINT	9.52-	115 (8/5)			21 (2/N3)	7 - 6 - 6 - 6 - 7 - 7 - 7 - 7 - 7 - 7 -	TOTALS	3.658-81	123	991	SAL FACTOPE 16.8	P (MB) 950.7	ALT CKM)	F. 65 S	TEMP (C)	-15:1	FROSTROTHT		TAS (M/S)	125.3	MT (M/M3)	2475833.2	TOTALS 6.2%E-01 5.10
57 87 87 87 81 1 SECONO AVERAGI 146 8 NER/HP*3-411)	DISTANCES 400 FT	ZE PRECIP		_	964	1538 6.			2429 8.	9.0		1617 0.	3914	4211 6.		4.636-32	101	ST 3Y AFGL 1 SECOND AVERNS 145° 48E2/40*3-444)	DISTRACES 468 FT	SIZE PRECIP (MU) PROBE	414 8.16E+13			1546 0.		26 6.				F241 6.	5.365-12
AFFIJ TOIMG SPGAY TEST BY AFGL FLIGHT EP9-13 DN 21 MR Ps 1 SECOND AVERAGING THTENAL STAYLOSSISTAGO PARITCLE SIZE DISRABUTIONS (NUMBER/N°03-MM) TYPET ARIM	HEO FLIA RITE! 26 GPM III	C.0JD \$12E				1.487426 15			4.182465 24					1.415-54 46		3. 45-61	119	#FFT5 [CIMG SPRAY TEST 3V AFGL F_LG4T E79-03 JV 21 JAN 79 1 35.COMD AVERAGING [M1_2M4_ 15711-02572445* PARTICLE SIZE JJST19UTIJNS (MU46E2/4**3-M4)	420 f_)# 441gs 26 6PW OI	0.0J0 SI	5.95€+27			5.C.E+C6 15		3.67E+15 24		1.536+85 33			
APFILITET INTER-	P PCT3 02H	ER \$12:			+13 62 50						+49 221					-01	12	4FFT 579-03 34 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	420 5,34 3	3215 F3					694				192 674		
SAMPLEI 15A FLIGH PAR	ISc CI IENSCE	S12: SCATTER		4 1.265+09		00+111+00 01-111-00 01-11-00 01-11-00 01				E3+154°E 91				29 6. J52 + C4		LMC 1.95:-01	#c0 0 2	SAMPLE1 154 F.164 PAR	ESSURE: 13 2SI	SIZE SCATTER	2 4.552+09	4 1.30E+69		1, 6.86E+93		15 Z.95E+89		22 20.1954u9		29 5-466+00	
	CAL FACTOPI 18.0 PRESSURET 13 PST	P (MB) 551.6	11.7 (7.11)	4.842		-12.2	1	FPOSTPOINT	-23.0	TAC (M/C)			MT (N/H3)	1.82803.1	TOTALS	1.895-01	107	, ,	JAL FACTOR: 10.0 PRESSURE: 13 PSI	P (48) 551.7	ALT (KH)	. o. t	TEMP (C)	-12.2	FROSTPOINT	-63.0	TAS (M/S)	121.4	MT (M/M3)	531194.1	TOTALS 1.42E-01 113
PRAY TEST BY AFGL 12 TECOND AVERAGING 19 TECOND AVERAGING 19 TECOND AVERAGING 10 TECOND AVERAGING	DISTANCES SOU FT	S12E = = QECIP		: 6	•	• .s		.,		<b>.</b>	;;	:	;,			•	6	PRAY TEST BY AFGL 9 1 SECON) AVERASING 1013150121* DNS (NUMBER/MONS-HM) M	DISTANCES 4.0 FT	SIZE PRESIP (HJ) PROPE		06.7		1538 G.	. <b>.</b>	2726 8.	•		: :	:	• :
AFFIL ICING SPRAY 'SPEAY 'SPEA'S LAN 74 AND 14 AND 15 AND	MIE 119 3PM	CLOUD 92,382	2 - + 6 - + 7	+3 1+395+67	3.35E+66	2 - 255 - 26	3.315.63	715+65	4.212+35	1.55.45	5.815+[+	:	•	: .	•	10.05-01	101	E79-63 ON 21 JAN 79   ICC#6112 141 79   ICC#612 141 141 198 (ICC#612 141 141 141 141 141 141 141 141 141 1	44158 19 6PM	3, 303 0403E	1.362+0	1.5454	3.545+16	1.53E+VE	4.470	1.705+05	1.245+65	3. 41E+L4			1.426-81
F.1647 PARTI	13 351 420 F_3H	SCATTER SIZE			Z.Z4E+C3								3.645478		•	3.55		FLIS41	13 PSI H20 FL3W	\$2417Ek \$12. \$203c (40)		1.212+09		3.655.403 I.				7.31F+69 2.		0000 mm	0.50£-u2 20
SAMPLE: 14	PRESSURE:	121S	•	• •		• 5	12	4	.c.	2 6	27	<b>7</b> 2	52	3.3	3	Š	4FD 0	Sample: 14	PRESSURE	\$125 (MD)	N	<b>.</b>	** ;	2 2	:::	G =	27	2 2	56	25 55	1187

¥	CAL FACTOR: 1	950.6	ALT (KY)	1.854		2 6 7		FROSTPOINT	-58.5		14S (M/S)	77.	MT (M/M3)	1283965.2	4	TOTALS	3.621-81	161		INS			CAL FACTORS		P (NB)	ALT (KM)		TENP (C)	-12.1		FRESTPOINT		TAS (M/S)	121.8	124/47 17	701046.1		1074.5	126
V AFGL Johd Averagi /Heej-Hu)	DISTANCE: 400 FT	PRECIP	3.18E+83	:	••	: -		: :				•	: :		:		5.325-82	* *	14 4661	COND AVERAS		(FH-E-44)	TO BUT STANCE		PR.5 CIP PR.7 BE	4.116.34			•	<b>.</b>		: :	:		•	• •	:	1000	100
1 SECOND 1 S	DISTAN	\$12£ (MD)	3	64.7	<b>.</b>	1000	1 8 4 5	2132	542	2726	2023	15.0	101	4211	4510				11261		611251	36 K.N.	37578		S12r (MU)	;	1	1241	1538	1635	7132	2726	3123	3320	361	4211	458 6		
AFFI) LCIME SPRAY TEST BY AFGL FLEGHT ETG-BT ON 21 JAN 79 1 SECOND AVERAGING INTELE STELLENGEN (NUMBER/HFF5-NUM) PARTICLE SIZE JISTRALITIONS (NUMBER/HFF5-NUM)	44TE # 26 6P4	CL048	3.5.5+37	3.426+87	1.465+67	0741000	2 7 4 6	1.277+66	5 LE+05	3.122+65	1 - 2 45 + 5	5 - 5 - E + C 4	10000	1.525.4	1.456+64	1	3.296-61	115	1934 VA 1957 VACCO PATER TOTAL	FILGAT 279-13 DN 21 JAN 73 SECOND AVERAGING	WA, STARTIFO	JESTATSTENS (NGAGER/MARS-NA)	E. 34 487. 6 25 COM	EAS D7 4718	5,043 ><085	2.516.07	1.59.467	9 7 3 5 4 5 6	1.852+1.6	1.61:+25	4.436403	2.55E+.5	1.542+05	1.352435	7.55E+64	9.235+3+			169
1476 14753 14753 5126 31	H20 FL34 ₹	312: (4.)	2	*	9	ě :	2 2	2 - 1	151	191	3	177		9 6	300				100	13 S	IATER	≅21S	1		ST Z E	2,3	₩ 6	3.0	182	122	241	181	7,	221	1	100	30.		
SA FLIGHT E79- PARTICLE		SCATTER PROBE	1.65:+88	4.81E+68	1.125+63	50010000	1047541	9.625+68	1.145.409	1.02E+09	3.625+63	7.575+65	00414600	1.50:+35	3.77=+07		5.73		•	F_164T 279		PARTICLE	720 01		SCATTER P439E	1.536+47	8.2554.7	7 . 5 . 404	5.716+48	4,36:+03	4.13: +08	000 100 00 00 00 00 00 00 00 00 00 00 00	2,535+08	3.23E+uB	1.735+88	2.25:+4.7	3.005+67		1.355-76
SAMPLE B 15A	CAL FACTOR! 14.0 PRESSURE: 10 PSE	SIZE	N	٠			30	: :	100	1	7	22	<b>.</b> .	3 2	98		<u>:</u>	MED D	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4				THE PARTIES ALL BOUNDS IN THE SECTION AS ASSESSED.	PKE SOUKE	512E (HJ)	2	JP 16	•	12	15	1	9 7	22	22	£. :	9 S Z	2	9	460 0
	11.41																																						
9	CAL FACTOR	P (HB)	ALT (KH)	4.052		140 T	6 197	FROSTPOINT	-25.6		TAS (#/S)	166.0	128/87	1370562.9		TOTALS	5.69E-01	125		INS			04.60.40		P (MB) 954.7	ALT (KH)	4.853	TEMP 101	-12.4		F 20 STPOINT	6 *6 3-	TAS (M/S)	121.8		1654667.9		TOTALS	123
ST BY AFGL 1 3520MD AVERAGING 1460 1968/10043-144)	DISTANCES 400 FT	PRECIP PROBE	1.516+34	•	<b>.</b>	•		: :				;	<b>.</b>	• •			9.956-32	, 0,		LAG SPRANTES OF AFORMS AND	!	(hh-£-eh/)	***	TA DOM NACH PORTS	PRECIP PROBE	7.032+93	••				•	; ;		rę,	<b>.</b>				4.65E-52 484
7 FEST 8 1 3 2 1 1 3 2 1 1 3 2 1 1 3 2 1 1 1 1 1	DISTAN	SIZE	3	3	1	1241	1736	21.32	2429	2726	3823	3350	1100	12.4	4538					1531	1157147	(NO4 BE		1510	STZE (MJ)	4.54	4	3	1538	1835	2132	2726	3823	1320	3617	5914	450 8		
1 10146 SPGAV FEST BY AFEL 21 JAM 73 1 1 501000 AVER 21 JAM 73 1 20100 AVER 21 JAM 75 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	241E1 26 5PM	C_040	7.305+07	4.506+87	2.52E+87	1 - 3 95 - 1	9.3/2.60	1.555+66	4.37E+35	4. 52E+3 5	2.16E+45	5.78E+64	1.135.63	3 34 4 K	2.7.5+04		10-2-2-01	103	- 3	21 JAN 79 1 SECOND A	244, STARTIFF	PARTICLE SIZ= JISFRIBJTIONS (NUMBER/W##3-44) [YDE: RAIN	:	441 E 8 6 6 P	5,0JJ		3.395+67					1.02E+C0				1.625+64			1.14
MFFT3 18-0-03 ON 21 TATE (VA. 21 21 31 21 21 21 21 21 21 21 21 21 21 21 21 21	420 FL3M 4	312E (40)	2.0	1 3	(C)		261	7 - 1	151	181	7.	22.		2 4						. NC 86	17.	. 215 3		*	3715	23	P) (	2 .	132	122	1 + 2	151	1 7 7	22.1	7.	263	3.0		
FLIGHT E79-03		SCATTE?	1.535+18	1.15:+09	3, 16 5 + 69	5.585.489	F14:56.4	3.025+89	2. 58: +83	2.32:+63	2.61E+09	1,916+43	7 - 34 i + 6 4	204:56.	2.925+08		1.6.E-61	51		74 FLEGAT 675		PARTICL	•	2+ 15c rt	SCATTER PROBE	2,255+69	1.185+89	69414697	4,265+89	3.046+49	2.798+69	2.245.453	1.755+69	1.485+89	1.06E+69	4.285+88	2,33E+06		10.145-01
SAMPLE 3 15A	PRESSURER 18 331	371S	^		•	•	9 (	4 2		3	82	₹	₹:	S 2	2.2		SE.	HE) 9		SAMPLE 154				PRESSURET	SIZE (MJ)	۸۱	*	•	7	71	<b>1</b>	10	: 2	22	2	<b>5</b> 2 × ×	3 8	:	10 0 10 0 11 0 11 0

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14,0

<b>4</b>	CAL PACTORS 16.8	· (96)	ALF (KK)	15 G	11000000	4.53-	TAS (M/S)	119.9	HT (H/M3)	642576.7	707ALS 3.94E-11	228	<b>y</b>	SAL FACTOR: 14.8	P (M) 551-1	ALT (00)	Tenp (C) -11.7	F*05TP014T -25.5	TAS (19/5)	NT (M/M3) 852968.7	1.06E-01
ST BY AFEL 1 SECOND AVERAG 150* 190* 190*	DISTANCES 400 FT	SIZE PRECIP	40 2.41E+94 647 0.		•	2429 6.	23 9.		3914 6.	 	1.536-01	;	ST BY AFGL 1 SECOND AVERAGI 153+ 185-140+3-44)	DISTUNCES 400 FT	SIZE PRECIP (NJ) PROBE	684 1.93E+34 647 8. 946 B.				391 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1.27E-91
AFFT ICING SPRAY TEST BY AFGL FLISHT E79-83 ON 21 JAN 79 1 SCOMD AVERACING TATELESTATE SEESTS 60 PARTICLE SIZE SEATONS (NUMBER/NO+3-444) TYPE 1 RAIN	H20 FL3M 24TER 26 6PM DX	StZE GL0JJ ST (41) PROBE (N		93+362**		3.456485		1.73€+6>	2.412.64	29.0 +.01.E+04 4.2 30.1 5-31.E+04 4.5	2,366-31	128	AFFI: ICTMG SPRAW TEST BV AFGL FLIGHT E79-D3 UW - 21 AM 79 1 SECOND AVERAGING PARTICLE SIZE PISTERBATIONS (NUMBER/MONS-MU) TYPE: RAIN	420 F_JW 44TER 26 GPM DI	18 CECUC 3515	2.12E+.7 1.94E+67 1.02E+67		3.766+85	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	M	2.596-11
151	PRESSUREI 14 PSI H20 FL)	512: SC4TF8 St (MJ) 9209E (4)	2 0. 4 1.22E+00		20 C C C C C C C C C C C C C C C C C C C	3,225+38		2.302+08	9.352+17	23 4.53£+07 2	1.735-02	McJ 26	1 159 FLIGHT E79-03 I4	PRESSURES 15 351 420 F_)	CHJI SCATTER SI	6.156+87 3.235+88 5.155+88	1. 53 51 + 63 1. 12 1 + 63 7. 75 7 + 53	00+110000 mm s		7.6510 7.6510 7.6500 8.8600 8.8000 8.8000 8.8000 8.8000 8.8000 8.8000 8.8000 8.8000 8.8000 8.00000 8.00000 8.00000 8.00000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.000	
SAMPLE	CAL FACTOR! 14.8 PRESSU		4.854	100		6.45-	(14/5)	121.5		£.5		160	SAMPLE 159	CAL FACTOPS 14.0 PRESSU		4.050	F (C) -11.4	TPDIMT -25.4	(H/S) 119.6	H3) 8.5	707ALS 3.11E-81 L
AFGL No Averaging 19+3-24)	DISTANCES +00 FT CAL FI	PRECIP P (MB)	18c+23 ALT	TEMF (C)	2003		TAS (M.		NT (N/N?)	500246.5	1.	<b>†</b> 0 †	VERASIH H4)	DISTANCES AND PT CALF.	PROBE 558.7	1.68£+14 ALT (KM) 5. 4.853 8.	164	F=0STP0INT 3. +28.4	0. TAS (#	0. NT (N/H3) 0. 784218-9	TO 1.11E-01 3.11 404
SPRAY TEST BY 79 1 SECO 211003571964 TIONS (404678/4)	Ī	SIZE (MU)	7 2 5	1241	1835	5242			3914	+54 4518 1		2	SPRAY TEST BY AFGL 79 1 SECOND AVER 41+66157157* TIONS (NUMBER/4**3-NY) AIN	t d 9	3218	464	1241	2132	3320	4 4 458	
AFFI ICING SPRAY TEST BY AFGL FLIGHT E79-, 3 OA 21 JAN 79 1 SECOND AVERAGING PARTICLE SIZE JISTABBUTTONS (AUGHER/H003-H4) I YDE! ANIN	420 F_34 441E1 26 6	\$12E CLOU) (4U) P-09E		97 3-8416-6 97 3-8416-6 97 3-3-6-18-6-18-6-18-6-18-6-18-6-18-6-18-6	201600 A 221					340 1.275+54		15	AFFTS TOTAG SPRAY TEST BY AFGL FLEG4T E79-93 OW - 21 AM 79 1 SECOND A 14 TSTAML STAFT PEGISTS 578 FF PARTICLE SIZE 1154 TBUITOWS (NUM BER/4003 A	420 FLJ# 217±1 26	5fZ: 0L0U0 (4U) PR09E		201	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	52.23	13 3 3 3 60 7 1 N N M	
SAMPLE 154 FLEGAT EP PARTICL	PRESSURER 18 PSI H2	SIZE SCATTER (MJ) PROSE		710107 0 0 700107 0 700107 0			-		26 1.512+37	38 6.	1,15	MED 0 19	SAMPLES 159 FLIGHT E79 PARTICLE	PRESSURER 10 PST 46	SIZE SCATTED (MJ) PROBE	2 0° 6 5°362+87 5 8°422-487				26 7.655+86 28 2.33E+87 30 0.	LWC 3.31E-03 MED D 2.0

CAL FACTORS 14.8 FAL FACTORE 14.0 10TALS 4.986-01 191 ALT (KN) FROSTPOINT -25, 64 FROSTPOINT -25.7 TEMP (C) -12.8 TAS (M/S) 116.9 NT (M/H3) 1136538.6 NT (N/H3) 990226.0 TAS (M/S) 9 (ME) 9 TEMP (C) -12.1 ALT (KM) B AFF1 [CIME SPRAY TEST BY AFGL F\_[GHT E79-13 ON 21 JAM 79 1 SICOND AVERAGING TATERAL FFRATE-RESPERSE PARTICLE SIZE 11STABUTIONS (NUMBER/Me+3-MH) TYPE: AAIN DISTANCES 408 FT 1,11E-31 404 1.636+84 1.45E+34 DISTANCE: 408 OLITA GENERAL SAN BERTANTE BERTANDO GENERAL SAN BERTANDO GENERAL SAN BERTANDO GENERAL SAN FL34 217E1 26 GPM 3. 3. 48E+64 3. 48E+64 3. 43E+84 CAL FACTORE 14.8 PRESSUREE 18 PSE M20 FLOW RATER 26 GPM 2.52E-11 C.013 312°E へいらしましてす こうごとうとくりのもの・こののちゃく こうしょう こうりゅう ちょくしゅう ちょくしょう こうこうしょく こうこうしょう こうこうしょう \$12E (4U) というないない まままま こころ こうかい はんかい しょうかい しょうしょう しゅうしょう しゅうしょう にんしょう しょうしょう こくろう ストートー 2 6.16E-02 21 2.00 to 10 t SCATTER PROBE SCATTER PROBE PRESSUPEL 10 PSI SAMPLE 158 886472854724642 8864728547 8444444444 CAL FACTOR: 14.0 707ALS 4.63E-01 204 FPOSTPOINT -25.5 F 20STP01NT -25.6 TAS (M/S) 119.3 ALT (KH) TEMP (C) -11.8 TAS (M/S) 119.0 NI (N/M3) 763381-1 ALT (KH) 4.852 TEMP (C) -12.0 NT (N/M3) 306164.6 P (MB) 558.9 AFTI ICINS SPRAY TEST BY AFSL FLIGHT E79-D3 DV 21 JAN 73 1 55.000 AVERSING INTERAL STRETTH-THEFS BOLD PARTICLE SIZE TISTERNITONS (NUMBER/H\*\*3-HY) FLIGHT E79-03 ON 21 JAM 79 1 SECOND AVERACING LISCOND AVERACING LISCOND AVERACING LISCOND SAVELOLE SIZE DISTRIBULIONS (NUMBER/M\*\*3-MM)
TYPER RAIN DISTANCE I SUN FT DISTANCES 400 FT 1.43E-31 434 3.642+33 1.17E+14 PR-CIP PROBE PRESIP PROBE PRESSUPER 13 351 H20 F\_34 41TER 26 GPM F\_3M 211:1 26 6PM 1.935+04 1.935+04 1.73E+04 2.6.5.[1 125 0000 0403E CL01) 312: りぬますますです アンジングにもなる ののののもっちゅう ちゅうりょう ちゅうりょう ちゅうしょう ちょうしょう こんごう きょうしょう 3738 TO THE THOUSE OF THE TO THE COURT OF THE COU #20 A CONTROL OF THE CONT 5.66E-02 21 5,335-02 20 SCATTER PROBE SCATTER PROBE PRESSURER 11 3ST SAMPLE 159 1244441222222 124442222222222

<b>9</b>	CAL FACTOR: 14.8		417 (KM)	F. ESS		TENP (C)	-12.4		FROSTPOINT	-52.1		TAS (M/S)	118.6		MT (N/KB)	1077283.1		TOTALS	3.996-01	136
1687 BY AFGL 1 Sicono Averaging 20186 100824/1003-144)	DISTANCE: 480 FT	E PRECIP	4 3.23E+33	_	:	;			•		-	•	•	<b>:</b>	<u>.</u>		<b>-</b>		2.196-32	9,
AY TEST 0 1 SE 10 150 106 5 (NUMBE)	910	S12E	;	j	į	1243	1 53	183	213	242	272	3+5	335	361	381	121	55			
AFFI CIMG SPRAY TEST BY AFGL FLEG4T E29-63 OH AL JAM P9 & SECOND ANG THERAA, STRATESBESSES PARTICLE STRE ISSAINS (HUMBER/MOSS-M4)	420 F_3H 247E1 26 GPM	CL00J	3.36€+67	2.57.6.67	1.306+67	5.51E+16	3, 59=+16	2.242+36	1.015+0	7.2754.5	2.626+55	1.275+65	2.035+15	7.76:+0.	5.955+64	4.376+46	3 85+84		3.37E-61	125
43 04 14162 S123 3	F.3# &	\$125 (40)	23	Ŋ	25	99	102	125	145	101	191	202	221	2+1	39.6	280	790			
FLIGHT E79- PARTICLE		SCATTER PROBE	3.322+08	8.142.448	2.30E+09	4.032+09	3.336+89	3.88E+09	2.25E+09	1.726+03	2.236+.3	1.73E+69	1.425+43	1.136+09	6.715+68	3,325+68	2.855+38		1.175-01	
SAMPLE I 158	PRESSURE 18 PSI	3218 (LM)	2	.*	•	•	2	12	3.7	91	13	07	22	5,5	56	<b>\$2</b>	30		SH.	NED 3
92	CAL FACTOR: 14.8	P (MB) 554.7	ALT (KM)	£.853		TEMP (C)	-12.2		FPOSTPOINT	-25.7		TAS (H/S)	118.0		NT (N/H3)	1389156.1		TOTALS	4.52E-81	140
SPRAY TEST BY AFGL 1. 520000 AVERAGING (1.1.46858.04.0.4.0.4.0.1) (1.0.5. (NUM DE2/H003-H4)	DISTANCES 4-10 FT	PROBE	1.555.14	;			3.	•	:				٠,			;	9.		1. 12c-11	<b>90</b> •
TEST 8. 1. 3. 2. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.	DISTAN	312c (MU)	3	647	ż	1241	1538	1835	21.32	2429	2726	3023	3326	3617	3914	4211	4598			
AFFIC ICING SPRAVON 21 JAN 79 4TE24AL STRATI®88 2E JISTRIBUTIONS (TYPE RAIN	M20 F_JM 24TE1 26 6PM	CL30J	b. b. E+C.7	3.47:407	1.406.4.7	3.050+66	3. 55=+(6	2.612+66	1 46 + 6 0	3.502+05	2. 35+65	1.986+45	3.37E+.4	1.055465	4 1 4 1	3.117464	2.7476.6		3.695-61	11.9
47FF	F3# ~	171S	,	1 3	2	3.5	17.	122	241	151	181	7 7	221		746		-	;		
## ## ## ## ## ## ## ## ## ## ## ## ##		SCATTER PR336	9.347464	7 781 408	50457	2 4 4 4 4 4	3,465+83	2. h9F+1.9	9.197 bilg	1.557+63	785403	1105404	1.26: +93	24141	4 1 1 2	2.245.468	401110		0.135-02	212
SAMPLE I 158	PRESSURE: 18 PSI	SIZE	•		• .	~ =	•	::	: :	. :	3 :		; ;	1 4		8 4	; ;	*	•	

SAMPLE: 159 AFGL E79--3 DW 21 JAM 79 1 SECOND AVERAGING LAFET SAMP 19 1 SECOND AVERAGING LAFET 1598 1970 PARTICLE SIZE LISTRIBUTIONS (MUMORA/Nº+3-MM) 

CAL FACTORS 14.0	950.7	ALT (KN) 4,053	1E# (C) -12.5	F 20 <b>STPOINT</b> - <b>25.7</b>	748 (M/S) 116.7	TETALS	1. 77. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
DISTANCE: 488 FT	PRECTP PROBE	1.886+84		:::	222	:::	1-106-11
01514	\$12£	131	125	21.32	3823		
420 F_3# 24724 26 бРИ	C_0J)	W. 470-67	5.42E+86 7.34E+86	8 . 8 . 10 . 10 . 10 . 10 . 10 . 10 . 10	200 M 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.735+84 3.635+84 3.225+84	2.696-01
F.3# 2	\$12 (43)	25.5	222	235	222	9 0 0 0 0 0 0 0 0	,
	SCATTER PROBE	4.015+08 9.715+08		2.565.09 2.005.09 2.23:00	1.57E+63	5.70E+08 2.472+08 2.80E+08	1-146-01
PRESSURE 18 PSI	5125 (LA)	~ + 4	- = 2	1122	222	9 4 3 N 27 E	NEO D
FAC FACTO9: 14.0	P (#8) 550.9	ALT (KH) 4.852	TEMP (5) -12.3	FROSTPOINT -25.7	1AS (H/S) 118.6	1274619.4 TOTALS	3.51E-81 116
DISTANCES 400 FT	PRECIP PROBE		1.895+11				5.62E-13 1241
DISTAN	3218	7 2 3	1241	2132 2429 2726	3323	5914 4211 4588	
NE 26 6F4	C_0JD	4.635+67 3.335+67		4 . 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0 .		:: <b>:</b>	3.45E-81 115
420 F.34 (NEE 26	S12E	MP PO S	25.	191	222	3 9 9 9	
	SCATTEP PROBE	2.55E+t.8	2 - 3 4 E + 6 9 4 - 1 1 E + 6 9 4 - 1 6 E + 6 9	2,595,409 2,595,409 1,375,463	1,915 + 19 1,96 + 19 1,86 + 19	7,25E+48 3,24E+86 3,32E+88	1,22E-01 21
PRESSURE: 18 PS.	SIZE	N +	in m 31	2 <del>4</del> 9 7	22 22 22	98 82 82	3.E

SAMPLE 1 15C AFFT LOTAG SPRAY TEST BY AFGL	FLIGHT ET9-03 D4 21 DAM 79 1 SECOND AVERAGING	きょうてき ほうきゅう トレスタン・コンドラン	PARTICLE SIZE DISTRIBUTIONS (RUMBER/M++3-44)	2004
SAMPLE 158 AFFTS ICING SPRAY TEST BY AFGL	FILEGAT ENGLOS ON 21 CAN 79 1 MICOND AVERAGINS	IATERVALL STRRTT-000+500+	PARTICLE SIZE DISTRIBUTIONS (NUMBER/Mees-na)	

4							41.0		** ***	**
DISTANCES 408 FT		100	CAL FACTOR! 14.0	PRESSUREI 18 PSI		20 FL3W	WZO FLOM KATER 26 GPM		DISTANCE: 408 FT	CAL FACTOR'S 14.8
SIZE PREC	Ü	10	P (MB)	\$125	SCATTER	SIZE	G. 000	321S	PRECIP	9 (348)
NJ) P338E	438		550.7	(140)	PROBE	949	PROBE	3	P-R-0 B/C	951.0
404 1.555+34	556	3.6	ALT (KM)	<b>A</b> 1	2.305+08	23	3.1.5+1.7	3	7.265+84	417 (1011)
647 3.			4.853	٠	1.08:+09	M T	2.546467	647	-	f. 150
944				••	2 . B 3 E + 0 9	95	1.285+07	į	<u>.</u>	
241 0.			TEMP (C)	•	6.54E+83	82	5.785+66	1241	:	TEMP (C)
538 0.			-12.5	10	4.29E+49		3.16€+06	1538	;	-12.0
835 0.				12	3,35£+69		1.486+66	1635	:	
132 0.			F DSTPOINT	**	2.340.63	1.2	5 . 1 3E+6 5	2132	<b>:</b>	F 2 OSTPOINT
*29 D.			-25.6	15	2.04:+09		4.52E+65	2429	-	6.42-
726 0.				67	2.26:+03		2.,12+05	2726		
ú23 O.			TAS (M/S)	2	1. # 16 + 63		1.572+05	3,23	÷	TAS (M/S)
320 0.			116.9	22	1.25:+63		1.720+65	3326	:	120.0
617 0.				÷.2	1.07:+09		3.875+04	3617		
914 0.			NT (N/M3)	92	7.55E+68		+ 9 2 5 5 + 6 +	3914	•	KT (N/H3)
211 0.			160528.2	6.7	3.435+18		4.526+4	4211	•	1001671.5
508 0.				30	2.06E+68		304115103	4508		
			TOTALS							TOTALS
1.426-31	.,26-31		3.556-51	Š	1.226-01		2.75=1		1.485-91	6.28E-01
101	40.5		177	CCUN	7		113		47.4	196

SAMPLE: 15C AFFL AND SPRAY TEST BY AFFL FLG4T E79-13 D4 21 JM 79 1 5200MD AVERATING TARTFORESSILS\*\*
PARTICLE:SIZE DISRIBUTIONS (NUMBER/Me\*7-M4)
TYPE: RAIN SAMPLE 159
F\_164T E79-03 ON 21 JAN 79 1 5EOND AVERAGING THE STAND THE STAND ST PRESSU

CAL FACTOR: 14.0	95 (MB)	ALT (KM)	£. 053	•	TEMP (C)	-12.1		FROSTPOINT	-24.9		TAS (M/S)	120.3		HT (M/HZ)	1222307.4		12, 12, 12, 12, 12, 12, 12, 12, 12, 12,	
DISTANCES 488 FT	PRECTP PROBE	2.25E+04					:	-	:	:	-		-		-	: -	1.686-01	
DISTAN	STZE (MJ)	*	3	116	1241	1538	1635	2132	2429	2726	3023	3320	3617	3916	4211	4511		
420 F_3M 241Es 26 6P4	C_000	5.75c+67	3.205+87	1.625+67	5.312+06	2.985+86	4 . 96. + 4. 6	5.77E+6.5	3.72E+85	2. < 95 + 15	2.19E+115	3. 44E+64	7.65€+04	3.87E+84	4. 51E+64	4 . D 4E + 0 4	3.856-01	•
F3# 24	(04) 1215	23	e .	20	95	132	122	241	161	131	201	221	2 + 1	260	280	300		
	SCATTER 3203E	4.18E+05	1.115+09	2.86E+49	4.78E+19	4.91E+09	3.35E+69	2.54E+09	2.445+89	2.592+09	2.285+09	1.535+49	1.26:+09	8.67E+08	3.355+88	3.356+08	1.428-01	,
PRESSURE 13 PSI	SIZE	v	.•		•	7	12	1	15	13	2	22	*	26	28	5	1 PEC 0	,
CAL FACTO91 14.0	550.7	4LT (KM)	4.851		TEMP (C)	-12.4		FROSTPOINT	-25.4		TAS (M/S)	118.9		NT (N/43)	569979.8		TOTALS 3.21E-01 304	
DISTANCER 400 FT	PRECTP PROSE	2.335.+34	•	:	•		<i>:</i>			:		•	•		•		1.576-11	
DISTAN	S12E (MJ)	10+	647	446	1241	1538	1635	2132	2429	2726	3823	3320	198	3914	4211	4588		
TE 1 26 GPM	CLOUD PROME	1.302.67	1.855+67	7.32:+06	3. 35E+Jb	1.585+86		5.548+05		5.86E+64	3.176+64	49+366+4	:	2.38E+C+	4.77.464	6.27E+84	1.556-81	
420 F_34 81TE1 26	512: (43)	W.	M) \$	6	82	132	122	1+2	151	101	201	221	241	260	2.9	306		
SSURET 18 931 420	SCATTER PROJE	2.325+.8	1.145+03	2.312+09	\$ 1 3 1 + 0 3	3.312+03	3.166+49	2.212+09	1.745+03	1.955+09	1.552+19	1.36E+09	1.135+19	6.605+08	3,162+08	3.395+68	1.11E-01 21	
•																		

The state of the s

SAMPLE 15G	2	1441 10 2718 3 10 2718 3	AFFI TOTAG SPRAY TEST BY AFGL 1 SECOND AVER INTERAL STATIFFORSBALS* PARTICLE SIZ: JISTERBUILDMS (NUMBER/M**3-M4)	Y TEST 8 1 5 5 156115 4 (NUMBER	EST BY AFGL 1 SECOND AVERAGINS 8815* NUMBER/M**3-M*)	S	SAMPLE 1 15C	2	141E2	FIEGT 279-89 ON TOTAL SPRAY TEST BY AFGL FIEGT 279-89 ON TO SECOND AVEN INTERESTANTIONS (NUMBER/M+03-M40) IYPE: 34IN	17 TEST 9 1 SE 10 150 120 120 120 120 120 120 120 120 120 12	7 TEST BV AFGL 1 SECOND AVERAGINS 1 SECOND AVERAGINS (4UNDER/H++5-MA)	<b>5</b>
PRESSURE: 18 PSI		420 F.JW 211	Hc9 92 12112	HATSIC	DISTANCES +CB FT	CAL FACTOR! 14.8	PRESSUREI 14 PSI		FL3W &	420 FLJW 24151 26 6PM	NATSIC	DISTANCES FF	CAL FACTORS
171S	SCATTER > 20BE	10F)	CLOUD	SIZE (MU)	PRECIP PROBE	F (HB) 550.7	S12 (HJ)	SCATTER PROBE	(CF)	380 to	SIZF (MU)	PRECTP PROBE	751.6
•		;	. 345467	464	4.577.1	ALT (KM)	~	2.535+38	23	5.256+07	3	2,486+34	ALT (KM)
^,	Z. 31E+48	3.	100000000000000000000000000000000000000	7 4 4		F. 655	• .•	9.312+84	*	3.44:407	647	•	4.054
•	1.19:409	,	3001000	1	: =			2.135+49	9	1.706+07	;	•	
	68+194·Z	~ 2		1241		TENP (C)	. 25	B+19E+8	35	7.675+06	1241		TENP (C)
,				1538	: :	-12.3	3	3.608+39	132	4 . 23E+ L6	1538		-12.5
2.	A - 62 - E	1 7 2		1635			21	2.572+69	122	2.162+66	1635	<b>:</b>	
4 •	20000	3		2132	•	F 20STPOINT	<b>4</b> 7	2.282+19	241	1.352+16	2132	:	F ROSTPOINT
•	2 4 4 4 5			5429	3.	-24.9	16	1.59:+09	161	3.176+15	5459		-54.8
2:				2726			£1	1.796+03	191	2.005+05	2726		
3 8				200		TAS (M/S)	2	1.456+09	707	1.562+45	3023	:	14S (M/S)
3 6				3320	•	120.6	22	1.265+03	221	5 . 5 5 E + 6 4	3320	•	120.9
X i				36.1 7			32	3.395+68	2+1	3.8:5+64	3617	÷	
2	_			7	: =	Ni (N/H3)		5.93E+C8	797	6. 34E+E 6	3914	•	NT (N/H3)
ŝ				1 2 4 4		1493593.9	23	2.352+68	2.50	4. 36E+L+	4211	.;	1,60264.9
52	-, ,			4 ( 9 7			g.	1.7+2+68	33.	** ****	4506		
,	2017:408				:	TOTALS	:		ļ.				TOTALS
			C. September 2		1.316-11	4.595-11	CHI	>. 01E-02		3.415-11		1.635-31	5.046-01
MED D	1.+05-01		F07		***	128	MEJ 9			110		<b>3</b> 0.7	150

11.1

CAL FACTOR: 14.8 10TALS 4.96E-81 F & 05 TP 0 I MT -24.8 TAS (N/S) 121.0 NT (N/H3) 1575385.2 958.7 ALT (KH) TEMP (C) -12.5 DISTANCES 469 FT PRECIP PROBE PRE-TONNON MONE AT THE TONNON THE TONNO CAL FACTORS 14.0 PRESSURES 13 PSI 420 F.34 ATES 26 GPM CL0UD **のこのまままままでであるののないのとのものまかっぱりまかりのもなったいないののでいるとののできるものできることのことをといるというにいるというにいるというにいるというにいいいいいいないないないないないになってまました。** 6.92E-02 SCATTER 2403E **はいないないないないのの** F30STP0INT -24.9 145 (H/S) 120.7 NT (N/H3) 1+95931-9 ALT (KM) TEMP (C) -12.4 DISTANCE 4 00 FT SILVAND WAS TO VICE TO VICE TO VICE WAS WAS TO VICE WA 3.785-01 C\_\_3J3 PRESSURE 10 FSE H20 SCATTEP 2409E 

SAMPLES 15C AFFIC IDING SPRAY TEST BY AFGL IDING AVERAGING TELEGAT E79-33 NV 21 JAN 79 1 SIGONO AVERAGING TATES AFFIC TO SECTION OF THE TOTAL STAFTS—10150177\*\*
PARTICLE SIZE JÉSTÉPITIONS (NUMBER/4003-44)

CAL FACTOR! 14.0 TOTALS 6.64E-01 239 FLOSTPOINT -24.5 ALT (KM) TEMP (C) -12.5 TAS (M/S) 121.1 NT (N/H3) 1346866.3 SAMPLE: 15C AFFT ICING SPRAY TEST BY AFGL FLIGHT E79-83 ON 21 JAN 79 1 SECONO AVERAGING IN A 1 SECONO A 1 SE 4.04E+94 PRECIP PROBE DISTANCES 468 BET THE STATE OF T STZE (MU) 420 FL3# 411±1 46 6PM 1,13E-01 21 SCATTER PROSE CAL FACTOR: 14.0 PRESSURE: 10 PST 43577777777 3.75E-01 104 F < 0 STPOINT -24.6 TAS (M/S) 120.9 NT (N/H3) 1582149.3 P (MB) 550.6 4LT (KH) TEMP (5) -12.5 FLISHT E79-03 ON 21 JAN 79 1 BECOND AVERAGING FLISHT E79-03 ON 21 JAN 79 1 BECOND AVERAGING TATETT PROBESHOP PARTICLE SIZE JISTERUTIONS (NUMBER/MOWES-NH) L DISTANCE: +CO F\_3M 41111 26 GPM C\_0JJ SI7: をはなるなるでは、ならりをはますのからできませる。をはなるなどでは、からりをはますのもになるできませる。をはるなるなるなどできませる。 120 SCATTER 2403E PRESSURER 13 PSI

CAL FACTOR: 14.8 10TALS 4.20E-11. F 20STP01MT -24.4 TAS (M/S) 121.2 P (MB) 558.6 ALT (101) NT (IN NG) 1198532.3 TEMP (C) -12.5 DESTANCES 400 FT 1.166-11 1.76E+34 STZE BENT TO BE GOTO TO THE STATE OF FLJA KATES 26 GPM 3.13E-61 116 CLOUD PROBE (AP) CAL FACTOR: 14.0 PRESSURE: 10 PSI 420 1.30E-01 2t SCATTER P < 09E 121S TOTALS 5.68E-81 152 F 405TP01NT -24.6 TAS (M/S) 121.8 NT (N/M3) 1452731.8 P (MB) 550.6 ALT (KH) TEMP (C) -12.5 DISTANCE: 4.0 FT . 14E+34 PRECIP PRJBE F\_34 24TE1 26 6P4 CL033 512E りののちゃすすてこととがらまるとのののかっとしょう ちゅうちょう くんかい ちゅうちょう ちょうしょう ちょうしょう ここころ こうしょう PRESSURE 10 Pot 420 SCATTER 2208E 1.35-01

AFFTS ICING SPRAY TEST BY AFGL FLEGHT E79-33 ON 21 JAN 79 1 SECOND AVERACING INTEXAL STAFT\*\*\*10158123\*\* PARTICLE SIZE 151713UNIOMS (MUMBER/4\*\*3-H4)

SAMPLE # 15C

FFIS ICINS SPRAY TEST BY AFSL FLIGHT E79-33 ON 21 JAN 79 I SICONO AVERASINS INTERFACE STATINGUESISTE PARTICLE SIZE DESFARMENTONS (NUMBER/M\*\*3-44)

3.755-61

2.655-31

SAMPLES 15C

SAMPLEs 15G AFF2 ECIMG SPRAY TEST BY AFGL SAMPLEs 1. TEGNO AVERAGING FLEGAT E79-23 Ou 21 JAN 79 1. SECONO AVERAGING TATABLES 1. TATABLES 229 PARTICLE SIZE DISFALUATIONS (MANDRA/MW-3-MM-)

SAMPLES 16 F.IG4T E79-03 ON 21 JAM 79 1 SECOND ANTRAGING I41744, STATTO-06.956-42°. PARTICLE SIZE JISTATUTIONS (MUMBER/NFOS-MM)

# FT CAL FACTOR 14.0 PRESSURE 18 BST MED FLOM RATER 36 GPM DISTANCE FOR STEE CLOUD STEE		,												
SCATTER   SIZE   CLOUD   SIZE   PRECTP   P (MB)   SIZE   SCATTER   SIZE   CLOUD   C	PRESSULE: 14 PSI		F138 &		DISTAN	ICE 1 400 FT	CAL FACTOR: 14.8			5 ¥C7.	1728 34 6PM	DISTAN	SE8 400 FT	CAL FACTOR: 16.0
3.42E 08         23         3.18E 47         644         9.48E 47         ALT (KM)         2         4.57E 48         2.5EE 69         4.5EE 69		žž	\$15 (45)	CL000	STZE (NJ)	PRECTP PROJE	P (MB) 958.7	ST2E (MJ)	SCATTER PROBE	\$12E	CC 203	STZE (NJ)	PRECIP	F (MB) 951.1
1.00   1.00	3.426	100	23	3.186+37	3	9.485+33	417 (KM)	~	4.572+08	£ 2	3.702+67	3	3, 37 €+34	ALT (KH)
Control   Cont	4 1.16	60+1	M)	2, 392+87	647	•	£.853	•	1.35:+89	#n +	2.60E+87	6,7	-	£. E. S
1.2   2.7   2.6   2.5   2.6   2.5	6 2.916	674	9	1.235+07	3	-		••	3.465+69	2.5	1.566+07	į	<b>:</b>	
1.2   2.742-16   1538   0	E 5.57	60+	92	5.24E+16	1241		TEMP (C)	•	4.36E+.9	85	1.396.4	1241	•	TEMP (C)
12   12   12   12   12   12   12   12	一 日本	61+1	132	2.745+36	1538		-12.5	3	3.64E+89	132	5. 42E+C6	1538		-11.
\$\begin{array}{cccccccccccccccccccccccccccccccccccc	12 3.275	60+	122	1.146+36	1635	:		12	2.512+63	757	2.3.24.6	1035	:	
2.452.69 151 -225-55 2429 074.3 16 1.275-613 161 1.055-66 2429 15 1.226-89 151 2.266-89 151 2	16 2.762	69+	791	3.59E+05	2132		F?OSTPOINT	1	1.82E+09	1 42	2.075+60	2132	<b>:</b>	TH TO ST SO C 3
2.242.03   1.31 2.266.05 2726   0.   1.88 (M/S)   1.91 1.236.09 3 101 7.026.05 3.28 3 10.   1.916.09 2.1 3.126.05 3.28 1.06.00 2.1 3.126.00 2.1 3.		60+	151	4.225+35	2429		-24.3	91	1.27E+63	191	1.055+46	6242	;	£.1
1.52E-09   211 3-31C-04 3423   0.   TAS (M/S)   24 1.41E-09 2-1 3-10F-15 3423     1.66E-49 2-1 3-41E-04 3424		£0+	131	2.28E+.5	2726			2	1.236+83	191	7.02E+85	2726	÷	
1.66Fe-9 221 3-42-84 3320 0. 421.2 22 1.08249 221 2.72-45 3320 2.42 2.09249 2.1 3-795-84 3617 0. 471.2 2.72-46 241 1.55-45 3617 0. 471.2 2.72-46 241 1.55-45 3617 0. 471.2 2.72-46 241 1.55-45 3617 0. 471.2 2.55-48 291 291 7.95-44 4.211 0. 33.66-4 53.66-4 53.75-48 291 7.95-44 4.211 1.55-46-4 4.50 31.75-46 391 1.57-46-4 4.50 31.75-46 391 1.57-46-4 4.50 31.75-46 391 1.57-46-4 4.50 31.75-48 391 1.75-46-4 4.50 31.75-48 391 1.75-		60+4	231	3.31E+0+	3023		TAS (M/S)	97	1.01E+09		3.[65+65	3,23	•	TAS (M/S)
10.162-09 2-1 3-792-04 3617 3-		6.1	221	3.41.7484	3320	•	121.2	22	1.38:+63	221	2,372+65	3320	•	122.2
\$ \$12.55.0 2.50.0 2.50.0 4 211 0. NT (WM3) 2.5 4.35.0 2.5 1.55.0.5 334 4.211 0. 335.00.4 23 2.55.0.8 29 2.5 1.55.0.5 3.5.55.0 2.5 1.55.0.4 4.211 0. 335.00.4 23 2.55.0.8 29 7.95.0.4 4.211 0. 2.55.0.8 29 7.95.0.4 4.211 0. 2.55.0.8 29 7.95.0.4 4.211 0. 2.55.0.4 4.50 0. 2.5 1.55.0.8 29 7.35.0.4 4.211 0. 2.55.0.4 4.50 0. 2.5 1.		6	4	3.795+04	3617			2	6.225+08	247	1.516+05	3617	-	
3.24E+68 290 1.30E+54 4211 0. 33656.4 29 2.25E+28 290 7.992+14 4211 1 2.57E+08 30 1.70E+04 4508 0. 707ALS 33 3.15E+08 30. 7.10E+04 4508 1.21E-01 2.32E-01 6.23E-72 2.94E+01 LWS 8.31E-02 5.44E-01 2 2.32E-01 111 4.54 137 MESO 21 136	•		25.0	2.5824.6	3914		MT (8/43)	58	4.34E+68	-0 -0	1.69.465	3914	<b>:</b>	MT (W/#3)
1 2.572+08 3út 1.78-04 4508 0. TOTALS 33 3.15:408 30. 7.105-04 4508 1.215-08 3út 1.720-04 4508 1.2215-01 2.325-01 6.235-72 2.946-01 LW3 0.315-02 5.445-01 1.35 1.35 NEO 0.21 1.35		934	2.30	1.305+14	4211		336566.4	23	2.255+.8	230	7.932+64	4211	•	1325915.4
1,21E-01 2,325-01 6,23E-72 2,946-01 LMS 0,31E-02 5,44E-01 1.MS 0,31E-02 5,44E-02		+ 10	305	1.70E+04	4508			ĸ	3, 15 : +68	30.	7.105+04	4506	<b>:</b>	
1.21E-01 2.325-01 6.23E-72 2.946-01 LM3 8.31E-02 5.44E-61 3 21 11 454 137 ME3 0 21 136							TOTALS							TOTALS
2 21 111 454 137 MED 21 136		-01		2.325-01		6.23E-12	2.94é-81	2			3.64E-C1		2.61E-11	1.156-01
	0	42		111		409	117	NE) 0			136		*0*	190
TO THE PARTY TO THE PARTY OF TH			1 11 11		TEST A	Y AFG		SAMPLES		1 1 1	TITING SPRAY	# 1237 F	X AF:1	

FLIGHT E79-,3 DN 21 JAN 79 1 SECOND AVERAGINS FALLSLE STEE DISTLAUTIONS (NUM DER/N==3-NY) IVES ALM FIRST ETS-1304 21 JAN 79 1 SECOND AVERAGING TATEL STREETS OF TATEL OF TATEL

CAL FACTOR: 16.8	P (MB) 551.0	ALT (KH)	·. 050		TEMP (C)	-11.0		F. OSTPOINT	-24.1		145 (M/S)	122.0		NT (N/H3)	1595421.5		TOT ALS	7.86E-01 157
DISTANCE: 400 FT	PRECIP	2,365+14	<b>:</b>	÷	•	;	<b>:</b>		•	=	÷	•	•	•	ė			1.555-11
11810	S12E (MJ)	1 0 1	49	į	1241	1538	1835	2132	5429	2726	3023	3320	3617	3914	4211	450		
420 F_34 24TE1 34 GP4	CLOJJ	4.796+67	3.477+67	2.846+67	1.705067	5.562+66	3.63€+.6	1.69E+C 6	9.95€+1.5	3.96€+55	2.472+65	3.735+65	2.252+.5	1.035+65	4.715+64	4.222+04		5.45E-6.1 127
F_34 <	\$12:	5.5	*	62	82	717	122	ž	101	191	201	757	2 + 1	266	200	300		
	SCATTER PROBE	4.575+08	1.545+89	4.305+69	6 4 3 5 6 4 9	4.875+09	2,52E+69	2.075+09	1.255+09	1.25=+03	3.326+68	9.456+68	7.87 = +68	4.20E+08	2.252+.8	1.505+08		8.11E-02 21
PRESSUREI 13 PSI	SIZ: (MJ)	~	.*	·n	•	9	21	1	15	13	ຂ	27	\$2	97	٤,	20		EE 9
CAL FACTOR: 16.0	P (MB) 951.8	ALT (KH)	4.656		TEMP (C)	-11.6		FPOSTPOINT	-24.1		TAS (M/S)	122.1		NT (N/H3)	1136374.6		TOTALS	4.22E-01 149
THE PUBLICATION OF THE	PRECIP PROBE	1.516+34	-		9.		•	•	•	-	:	•0	ŝ	•				9,95E-12 464
DISTA	ST2E (MJ)	3	2.49	446	1241	1536	1835	2132	242	2726	3023	3320	3617	3914	4211	4506		
1751 34 GP4	01000 01000 01000	209245457	2.546+17	1.38+67	6.+8E+56	4.68€+66	1.77E+86	1.335+06	4.712+65	2.83£+05	3.186+65	1 + 36c +85	3.772+64	3.38E+04	3.135+14	2.715+04		3.23E-u1 123
420 F_34 44TE1 34	\$12E	23	M \$	55	\$2	102	122	241	101	101	201	221	7+2	266	2.90	30.		
	SCATTER P209E	3.335+48	1.12:+09	2.995+69	6.11E+89	3.455+09	2.21E+u9	1.615+69	1.125+03	1.275+63	D. 34E+08	9.975.468	6.59E+68	4.05E+08	1.958+00	2-17:+08		7.54E-82 21
PRESSURER 18 PSI	SIZE (HJ)	~	•	-	•	97	12	1	19	5	82	27	2	28	52	88	}	LEG 0

9	CAL FACTOR:	950.0		1 (An)	268 **	100			FROSTPOTMT	-23.0		145 (H/S)	121.9		M. (MAMS)		TOTALS	7.505-11	12		.*			CAL PACTOR:		551.2	A1 7 (EM)	4.047	;	TEMP (C)	• • • • • • • • • • • • • • • • • • • •	FROSTPORMT	-23.6		TAS (94/S)	161.9	MT (M/H3)	1039746.3		101 M. V.	171
TEST BY AFEL 1 SECOND AVERAGING 18.04.6 ° (NUMBER/H***)	DISTANCE: 440 FT	PRECIP PROBE	464240	*****	: .	•		: 4	-		:	•	<b>:</b>	ė.	•	: :	}	2.616-71	•	Y AFGL	COMO AVERAGI		Chu-Caall	DISTANCES 408 FT	97.0	PR.0 BE	4.425+16		<b>:</b>	å			:	<b>:</b>		:			<b>:</b>	9.976-92	-
5944V TEST 0 79 1 8 11+88198145 20MS (NUMBER	NF121C	\$12E	•	:	3	,	1 2 3	1835	2134	5459	2726	3,23	3326	2 0	3414	181				1631	7	158147		MATRIC		(ON)	1	647	į	1541	1750	2132	242	2726	3023	3350	100	4211	127		
FLIGAT E79-13 ON 21 JAN 79 1 SECOND AVER INTERNAL STARTIVENSSENSON PARTICLE SIZE DISTIBUTE SHUMMER/NEWS-NW)	420 FL3# 447E1 34 6PM	Second Page		3.035.65		1 - 5 OF - 1	4 24 24 2	3.235466	1 . 30E+C6	7.505+45	5.516+65	4 . 0 1 E + 6 5	2,35E+05	1.135.00	9. B 9E 9 C 4	7.125084		••97E-11	131	AFFT. ISING SPRAY TEST BY AFGL	3 DY 21 JAN 79 1 SECOND AVERAGINS	A STARTIFOR	PARTICLE SIZE JINITONIS (NOMBERTHALS-NAT)	420 F_34 44TER 34 GPM		P. 208E	1.5464.7	2.305+67	1.376+67	900000000000000000000000000000000000000	1.785416	1.656+66	3 - 295 + 0 5	4.816+55	3.895+05	3 - 0 0 C + 0 3	6.778+04	3. 3.32+84	2.72E+14	3.756-81	139
13 08 14162 5126	FL3# 4	10h)	•	7 4	2	2 6	-	122	2+1	101	191	707	122		2 6	3.05				Test.	٠٤ ٥٧	147521	1 :316	F3# &		100			29	~ .	172	145	151	787	7.7	7	992	28.	20		
2		SCATTER PROBE		0011000	60.757.7	4.1764.0	2.216409	2.05.049	1.405+09	1.112+43	1.15:+03	0 . 6 6 E +0 8	9.232+08	0000		1.635408		6. 67E-02	12		FLESAT E79-, 3 DA	, ,	raci inte			2036	3.83:448	1.27 = +39	3.696+39	4.22E403	2.16:4.9	1.492+89	1.182+03	1.87E+09	1.056.409		4. SOE+30	1.736+08	1.736+68	7.245-02	12
SAMPLE 1 16	PRESSURE!	SIZE (MJ)	•	•	• •	•	. :	27	3	91	<b>:</b>	2	27	* *	8 7	30		)   	460 0	SAMPLE 1 16				PRESSURE1 .		-746	•		۰ هـ	ng	27	1	91	<b>?</b>	2.5	: <del>1</del>	92	2		98.1	O COM
9941	CAL FACTOR: 16.0 PRESSURE: 10 PSI	P (MB) 951.1	1000	240		TEMP (C)	-12.0		F" OSTPOINT	-24.1		TAS (N/S)	122.0	***	454 8448.2		TOTALS	9.196-01	212		ING			TAL FACTOR: 16.0 PRESSURE: 40 PSI	0	551.0	ALT (KM)	4.850		TEMP (C)	77.0	F & O S T P O I N T	-24.0		14S (M/S)	1611.7	NT (N/H3)	1587397.4		101ALS 6.26E-61	153
	DISTANSER 400 FT	PRECIP PROBE	. 665416	*****	: -		: 5		:		•	•	· .	•	•	: -		7 8E-11	\$ \$	BY AFSL	SOND AVERAG	II STARTS FOR SOCIONARY	(64-5-44/)	DISTANCER 4:0 FT	00.010	PROBE	1.65€+34	;	<b>.</b>	• •		•	•	•	•	•		•		1.395-31	103
7 TEST 1 3 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DISTA	SIZE (MJ)	4.0.4	7	6	1261	1518	1835	2132	5459	2726	3023	3520	100	1214	4508				r rest	<b>*</b>	3158145		ATSIC	27.12	(F)	704	6.47	3 6	1421	1635	2136	6242	2726	3023	3617	3914	4211	428		
CICING SPRAY TEST BY AFGL. 21 JAN 79 1 SICOMD AVER 44. STATIONS (MUMORA/Men)-MM) IYPE: RAIN	47E 1 34 GPM	C.0U3			7 7050	4.84F	9.00	3.195+.6	2.1.5.66	1.23E+66	5.3464.2	3.798+15	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C+10040	1 . 40. 4 L 2	3.702464		5.11E-11	142		21 JAN 79	WAL STARTS#3	ISTALYSTICMS INCOMERATORYSTAL	1758 34 GPM	Offic C	P438E	100000	3.562+67	1.765+07	4. / BE+, B	3.075+05	1.795+66	9.555+4.5	7.92E+05	3./UE+65	1.835+65	7-636+64	434M50 40	2 - 40E + D &	5.2.E-81	132
NO PO	F_34 24	\$12:	:	:	• •	÷	?	122	16	151	191	7 .	122	•		300				Cleat	2 NC 51	23121	76.2346	F. 34 CA	5172	5	23	(*) (*)	29	7 .	122	145	151	131	7.7	7 1 1	92	23.	200		
OT CLASE STREET STATES TO CLASE TERMS CONTRACT TERMS CONTRACT TO CLASE CONTRACT TO C	18 PSI H20	SCATTER PROSE				5 - 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	3.325+69	2.81E+u3	1.67=+09	1-16E+03	1.615+43	1.165+03	1.15:4.3	00011000	00 m 00	2.405.438		9.15E-02	12		F_154T E79-LS ON		3707134	13 PSI H20	SCATTER	2403€	4.555+08	1.375+09	69+14+*M	4 - 4 - 4 - 4 - 4 - 4	2.315+69	1.682+03	1.17:+09	1.135+89	9.312.458	7-132-08	3.90 . 60	2.105+00	Z+32E+88	7.366-02	27
SAMPLE+ 16	PRESSURE: 1	5125	•	<b>u</b> .	• .	•	7	12	3	t3	3	2	22.0		2 2	Ħ		LIEC	MED 3	SAMPLE 15				PRESSUPE: 1	517:	(HC)	٨١	•	· 0 •	0 5	71	=	91	2 2		: 2	92	52	3	CHC	C Q3M

16 AFFE TOTME SPRAY TEST BY AFEL	F.IG4T E79-83 D4 21 JAN 79 1 SECOND AVERAGING	INTERNAL STANTS CONTROL OF	PARTICLE SIZE DISTRIBUTIONS (NUMBER/NAPS-NN)	
SAMPLE 1 16				
AFFEL TOING SPRAN TEST BY AFEL	FLEGAT MY9-DG ON 21 JAN 79 1 SECOND AVERAGING	中心中心的 医多种性 医多种性 医多种性 医多种性 医多种性 医多种性 医多种性 医多种性	PARTICLE SIZE DISTRIBUTIONS (NUMBER/M**3-MM)	
7	•			
SAMPLE				

	TIGLE	<b>31</b> 5	PARTICLE SIZE DISTRIBUTIONS IYPE: RAIN		NS (NUMBER/ATTS-11)			PART LOLE	212E U	TENNOS PER CONTRACTO STATEMENTO S	K E	(MH-8-14/)	
SE . AZ	0	FLOW	PRESSURE: 18 PSI . HZO FLOM RATER 34 GPM	DISTAN	DISTANCE: 400 FT	CAL FACTOR: 16.8		PRESSUREI 18 PST M20	FL3# 4	HZO FLOW LATES 34 GPM	DISTA	DISTANCE: 460 FT	CAL FACTOR: 16.0
SCATTER PROBE		\$12E	C. 010 P 209E	121S	PR. CIP PROBE	P (MB) 5\$1.1	SIZE	SCATTER J PROJE	\$12E (40)	CL 040	S12E (M)	PRECIP	F (MB) 991.2
3.53:+0/		N	2.185+57	7 84	3.03E+14	ALT (KH)		2 3.30E+08	23	1.525+07	;	2.225.94	ארל נופט
1.25:+04		•	1.44=+07	6 1	•	4.849		4 1.267+09	٠	1.665+87	647	•	123
74.4		.9	9.62€+06	7.96				5 2.976+09	62	3.285+06	***	<b>:</b>	
25=+0		95	+ 395+	1241	•	TEMP (C)		9 3.792+89	82	5.37E+66	1541	•	TEMP (C)
2.465+09		1.12	2.845+	1536	٥.	-11.9	4	0 2.53E+09	102	2.945+06	1538	•	-11.7
835+1		1.22	1 . 5 ZE+	1835	•		-	2 2-355+09	122	1.45c+66	1635	÷	
357+		142	8.592+65	2132		F - OSTPOINT	•	4 1.35:463	24.1	3.54245.5	2132	÷	FPOSTFOIMT
1.735+0		121	2.625+	2429	•	-23.4	7	6 1.305+53	157	3.335+65	2429	•	-23.1
. 01: +		191	5.38E+	2726	•		-	9 1.35. +u3	191	3.392+25	2726		
6.2+5+48		201	4. ZE+	3323		1 AS (M/S)	~	10 7.375448	201	2,165+05	3623	•	TAS CM/S)
1.715+		221	1.706+	3320	•	121.0	~	2 6.322+09	221	3,395+05	3320	•	122.0
715+0		2.1	3, 765+	3617	•		~	4 5.35E+06	342	3.776+84	3617	<u>.</u>	
14329		265		3914	•	NT (N/H3)	~	6 3.50E+68	26.0	4. 3.5E+8.4	3914	<b>:</b>	XT (XXX)
1 1 3 E + E		2.0	_	4211		593998.6	•	8 1.352+68	980	4.44E+84	4211	-	763748.8
35=+0		30		453.8			. 73	3 2.47=+08	330	3. 365+64	4508	<b>:</b>	
	,					TOTALS							TOTALS
5.4+E-02	2		2.90E-11		2.015-11	4.96E-01	25.7			3.02E-81		1.465-91	A. 48E-01
2			147		101	526	0 03M	21		145		101	285

CAL FACTOR: 16.8	P (MB) 951.1	41.7	1EMP (C) -11.8	F1057PDINT -23.8	148 gl/3) 122. 2	MT (MPT) 3-6283.9 MTMLS	2.40E-41
DISTANCES 408 FT	PRECIP PROBE	3.88E+33 1.66E+81			:222		2.62E-02 487
DISTA	SIZE (MU)	33	127	2623	3623		
420 F.34 447E1 34 SPM	CL 09.0	2.07E+07	6.24E+06 2.53E+06	1.00%   0.00   0	2.46E+05 1.35E+85 7.53E+84	6.79E+84 6.12E+34 3.94E+84	3.22E-01 135
F_13# 2	\$12 (40)	10 m (	2 2 2 2	77.79	122	9 9 8 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8	
	SOATTER PROSE	4.34E+08 1.74E+09	63+1190+16 63+1190+16 164-164	1.82E+09 1.24E+09	1.07E+09 9.51E+00 7.94E+00	5.82E+88 2.178+88 2.55F+86	8.60E-02
PRESSURER 10 PSI	SYZE	N 4.	° 7;	232:	. 2 % 2	25 S	LNC NED D
CAL FACTOR: 16.8	P (MB) 551.2	ALT (KH)	TEMP (3) -11.2	F & OSTPOINT -23.2	TAS (M/S)	NT (W/H3) 636487.6 / TOTALS	78-387·5
DISTANCES 440 FT	PRECIP PROBE	3.17E+34 0.					2.88E-31 464
DISTAN	SIZE (MJ)	336	1538	2132	3023 3326 3617	3914 4211 4508	
H20 F_JM 48158 34 GPM	CLOUD P 2086	1.526+07	3.21.406	1. 5.77 + 2.0 3. 5.75 + 2.0 3. 5.75 + 6.5 3. 5.75 + 6.5 3. 5.75 + 6.5 3. 5.75 + 6.5	2.78E+65 5.79E+64	0.17E+6.5 0.04E+6.5 0.076+6.6	2.40E-81 142
F_34 &	3125	<b>8</b> * 9	2007	151	1202	266 250 368	
	SCATTER 240dE	2.85E+09	2.67E+49 2.67E+49	1.520E+09 1.20E+09 5.70E+09	6.53E+08 7.13E+08 6.28I+88	3.30£+08 2.25£+08 1.68£+68	5. 85£-62 24
PRESSURE: 18 25I	512E (MU)	NI + 1	0 en 2 (	222		9. R	A CE

SAMPLE: 16 AFFL LOTNG SPRAY TEST BY AFGL E1647 E79-13 DW 21 JMW TY 1 SCOND AVERAGING LAISTAN SPRAY FOR SASSASS PARTICLE SIZE JISTARDITONS (NUMBER/MP+3-MM) TYPE: RAIM

FLEGAT 279-33 DN 21 JAN 79 1 SECOND AVERSTHS TATERAL STRITEGOSSB43\* PARTICLE SIZE JESTRANDING (NUMBER/4\*\*3-H4)

SAMPLE 1 16

AFT2 ICLING SPRAY TEST OF AFFECT TO AFFECT TO AFFECT AFFECT TO AFFECT OF AFF SAMPLE: 16 AFF7 [GIME SPRAT TEST BY AFGL PLIGHT 279-33 32 21 21 AM 79 1 31 20000 AFGADE [411244, STATT+98158199\* PARTICLE 5122 3151 18372445 (44ME2/W+3-M4)

11 1374

CAL FACTOR! 16.0 107ALS 6.00E-01 130 F2 05 TP-01 UT 75.00 GO TAS 88/50 122.4 HT (WHS) 1737576.0 1.1 (FB) . . DISTANCE: 400 FT 4.886+93 PECTO PECTO PECTO CAL FACTOR: 16.0 PRESSURE: 18 PSI HZO FLYE LATER 36 GPM \$12; (48) 日のこれでするできる。 これのこれ マンス・ストール ちょう マンス ちゅう マンス ちゅう マンス ちゅう ちょう ちょう こくこう こうしょう ファンス・ストール アンス・ストール アンス・ストース アンストース アンス・ストース アンス・ストースース アンス・ストース アンス・ストース アンス・ストース アンス・ストース アンス・ストース アンス・ストース アンス・ストース アンス・ストース アンス・ストース SCATTER P-103E \*\*\*\*\*\*\*\*\*\*\*\*\* TDTALS 6.46-81 F > 05 TP01 MT 7500 CD 211-9 145 (9/5) NT (N/H3) ALT (100) P (M) DISTANCES 400 FT 2.45€+34 76.CIP PRESSURE 18 751 420 F.3# 217E1 34 GPH 3007 \$17; (40) 5. 342 6. 6 1. 246 6. 6 5. 556 6. 6 1. 276 6. 6 1. 276 6. 6 1. 276 6. 6 1. 276 6. 6 1. 276 6. 6 1. 276 6. 6 1. 276 6. 6 2. 26 6. 6 2. 36 6. 6 2. 36 6. 6 2. 36 6. 6 3. 36 6. ・・・・はいいいいいいりゃ

SAMPLE IS AFFT 151M5 SPRAY TEST BY AFFG.
FLIGHT E79-33 JH 21 JAM 73 1 5-20M3 AVERACINS
INTERAL STRATIGHESSISSS
PARTICLE SIZE SISTRATIONS (MAMBER/M003-M4) SAMPLE 1 16

CAL FACTOR: 16.0 FR05TPBIRT -22.9 1973377.7 1E# (C) TAS 64/5) 122.5 ALT (KEM) DISTANCE: 400 FT 2.51E-41 3.16€+34 PECTP F.34 CATES IN GPM (AP.) 日本のことでしていることを見ることを見ることをしているとのできなっているとのできません。 CAL FACTOR! 16.8 PRESSURE: 18 351 420 SCATTER 2209E F2 05 TP 01 HT ALT (00) TEN (C) TAS (N/S) 122.3 NT (N/N3) 1360120.1 9 (3g) 551.12 DISTANDER 648 FT 3,155+34 PRECIP PRESSURES 18 35 1 H20 FL)A 287EF 34 SPH 00C70 1215 140) \$C411ER 2-203E

	FT CAL FACTOR: 16.0	P. (182)	סר ערב נונוו)	£021	1EMP (C)	-12.1		FROSTPOTMT	-22.4		TAS (M/S)	122.6		MT (14/43)	1593643.1		TOTALS	31 7.21E-61	
	DISTANCES 488 FT	PRECTP	3.156+04		:	:	-	:	÷	<b>:</b>	=		<u>:</u>	:	;	÷		27E-3	
	1810	312E (MD)	3	33	1241	1538	1035	2132	2429	2726	3023	3328	3617	3914	4211	4508			
	M20 FL3# 41TE# 34 6PM	CL040	3.36E+57	3.80E+37 1.86E+67	1.146+37	5. 42E+. 6	2.77.16	1.525+66	8.95E+05	5.91c+85	5.83E+65	1.35€+15	1.136+65	9.425+64	6.305+64	5.642+84		5-14E-61	
	FLOW	\$122	2	<b>7</b> 29	~	192	122	1 42	161	131	202	221	**	26¢	902	385			
		SCATTER 340BE	2.125 +11	1.06F+09	2.725+89	2.046+49	1.146.9	1.135+09	9.33:+60	7.54E+63	5.23E+08	5.57E+68	4.26E+08	1.87F+08	0.365+17	8.21E+#7		4.37E-82	
	PRE SSURE:	\$122 (A)	~		•	==	21	*	4	61	28	22	ř.	58	82	<b>e</b> n		)   	
	CAL FACTOR: 16.8 PRESSURE: 18 PSI	6 (MB)	ALT (KH)	4.853	TENP (C)	-12.3		FROSTPOINT	-22.8		745 (M/S)	122.5		MT (M/H3)	1568642.3		TOTALS	6.695-81	
	DISTANCES 408 FT	PRECIP PROSE	1.416+34				<b>:</b>	<b>:</b>		<b>:</b>	<b>:</b>	:	:		ċ	•		9.264-12	
	01574	STZE (MU)	*	` ;	1421	1578	1835	2112	2429	2726	3023	3320	3617	391 6	4211	450 8			
	420 F.JH RATES 34 6PM	360td	4.55c+67	79+392°C	1.2954.7	5.735+66	3.345+36	2.38+66	1.12E+86	5.35€+15	+.686+65	1.635+55	2.252465	7.975+6+	2.02=+.4	2. 320 + 84		3.772-61	
,	. M.	1715 1715	23	? ?	95	102	122	291	161	191	261	122	14.5	265	9	366	•		
		SCATTER >43BE	3.216+88	1.384+64	0 0 + 10 4 °C	4. 46 5 4 9	2.625+13	2-105+29	1.535+63	1.645+03	1-1-6+49	A. 17E+83	40+114E	6.67F+B	2.625+48	2.995+68		9. 595-02	
	PRESSUREI 18 PSI	3212 (LR)	~	**	•	7	7	: 4	15	5	2	22	24		2		}	9	): I

SAMPLE: 16 97

CAL FACTOR: 16.8 1074.8 4.576-61 128 F405TP0INT -22.2 TENP (C) 1,1 (ED) 1,852 TAS M/S1 122.6 HT (N/H3) 1220665.3 ëë Eë DISTANCES AND FT 3.136.33 PRECTO CAL FACTOR: 16.0 PRESSURE: 18 351 M20 FLDA 4NTE: 34 GPM 2.93(F.93) 2.557(F.93) 2.557(F.93) 3.557(F.93) 3.557( . 4.36E-01 \$12£ 3.546-62 SCATTER > 10BE F 2 0 S T P 0 I M T - 2 2 . 6 TOTALS 6. 21E-81 135 TAS (M/S) 122.5 NT (N/M3) ALT (KH) TEMP (C) -12.2 P (MB) 558.9 DISTANCES 460 FT 3,34c+13 1,65e+11 PRECIP SIZŁ (MU) PRESSURES 18 PST 420 FLOW RATES 34 GPM 3.58E-61 132 CL0U7 SCATTER P 233E \*\*\*\*\*\*\*\*\*\*\*\*

AFFIC ICING SPRAY TEST BY AFFICES IN STORM AVERAGING TO TATION AVERAGING INTERPRETATE OF THE STORM AVERAGING INDURENTORS (NUMBER/MOSS-M4) SAMPLED 4.FF1 IDING SPRAY TEST BY AFGL
FLIGHT EPG-93 DN 21 JAN 79 1 SECOND AVERAGING
INITARY STATE-000159100
PARTICLE SIZE DISTABULIDNS (MUNGEL/M\*\*3-MM) SAMPLE

CAL FACTOR: 16.8 F 205 TP0 SWT -22.2 TEMP (C) -11.6 TAS (M/S) 123.1 £. ALT (801) NT (N/H3) 105+635.7 E 5.26E-32 484 0.01E+03 F\_3W 28TER 34 GPM 3.8.E-61 136 C.OU. S126 (4U) CAL FACTOR! 16.8 PRESSURE! 19 PSI 420 1.49E-02 SCATTER PRO9E SIZE と からり もとも ひかかい かんごうかい ひかん ひんかん ひんかん ひんかん ひんかん ひんかん ひんかん しゅうしゅう しゅうしゅう 1074LS 1.68E+00 319 F 20STP01NT -22.2 ALT (KH) 4.852 TEMP (C) -11.8 1AS (M/S) 123.1 NT (N/H3) 1318861.9 558.9 = 5.66E-31 +84 3.615+34 DISTANCES .. GB FLJM KATER 34 GPM 3,132-01 160 CL JUD P 308E \$12 E **はこのではできていることを見られるを見られるともできるできているともできなった。またことにこれるともできましたと** PRESSURES 14 PSI H20 1. Company of the com 3,11E-62 SCATTER PRODE

AFFI ICINE SPRAY TEST BY AFFI FILGHT E79-D3 ON 21 JAM 79 1 \$5:00MD AVERAGING INTERAL STATIT-07:99:039-PARTIDLE SIZE DISTRIBULTONS (NUMBER/MP#3-MH) SAMPLET 15 TFFT TOTME SPRAY TEST BY AFGL
FLEGHT E78-J3 OV 21 JAM 79 1 SECOND AVERAGINS
TAFETA STATIFORISGIST
PARTIZLE SIZE JISTARBITIONS (NUMBER/HOFF3-NY) SAMPLES 15

CAL FACTOR! F40\$TP0TNT -22.2 107A. S 1. 73E-61. TAS (M/S) 421.E 35.5 35.5 TEMP (C) HT (M/H2) 11.06362.0 ALT (601) DISTANCE! 400 FT 1.536+94 \$12E FLOW RATER 34 SPM 1,766-01 CL386 CAL FACTOR: 16.0 PRESSURE: 18 PST H20 2.91E-02 21 SCATTER \$233E とうりゅうけいけい ちょうりょう 121S F & OSTPOINT -22.2 TOTALS 4.45E-81 165 ALT (KM) 4.853 TEMP (C) -11.7 TAS (M/S) 123.1 NT (N/N3) 949354.2 P (MB) DISTANCES 488 FT 1.07E-01 104 1,638+34 PRECTP PROBE STZE (MU) F\_34 24724 34 GP4 7,38E-81 131 360cd :215 (40) PRESSURE 13 PSI 420 よいだいないのいだけによったこ

皇	CAL FACTOR!	P (NB) 958.9	ALT (KM)	4.652		TEMP (C)	-11.7		FROSTPOINT	-22.2		TAS (M/S)	122.9		MT (N/H3)	1966846.1		TOTALS	6.30E-01	131
EST BY AFGL 1 SICONO AVERAGING 9:86* Umber/H**3-M4)	DISTANCE: 480 FT	PRECIP PROBE	4.766+33	1.65E+31		•		•	•	•	•		•	•		•			3.20E-92	101
1 5 1 1 2 1 1 2 3 1 1 5 9 1 8 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DISTA	S12E	4 0 7	3	746	1241	1536	1835	2132	2429	2726	3623	3 320	3617	3914	4211	4508			
AFFT: ICING SPRAY FEST BY AFFL 15-17 E79-03 ON 21 JAN 79 1 SECOND AVER 14 FERT STATT=00159006* PATTICLE 512± DISTAUGUITIONS (MUMBER/M************************************	420 F.JW 24TE1 34 GPM	CLOUD P 209E	5.19E+L7	+ . 92E+E7	2.185+07	1.345+67	5.542+06	3.255+6	2.215+66	1.305+65	5.748+05	3.37E+05	2.36£+45	7.492+0+	7.916+64	5. 36E+D4	3.292+04		5.98E-u1	123
AFFT 10 00 10 EE	F.3# 2	S12:	23	*	62	38	102	122	142	tot	191	231	221	2+1	266	280	300			
<u></u>		SCATTER P203E	7.155+08	2.212+83	5.44=+69	6.872+09	5.545+09	3.16E+69	2.232+09	1,652+09	1.695+03	1. 34E+69	1.14:449	8.795+08	4.47E+08	3.572+68	2.835+08		1.046-01	20
SAMPLE: 16	PRESSURE! 1	SIZE (MU)	~	.*	.0	20	27	77	1	97	•	20	27	,*2	25	23	36		OM.	HED D
9	CAL FACTOR: 16.0 PRESSURE: 10 PSI	P (MB) 550.7	ALT (KM)	4.853		TEMP (C)	-11.6		FOOTPOLY	-22.2		TAS (M/S)	123.1		NT (N/H3)	1583621.7		TOTALS	6.85E-01	148
TEST BY AFGL 1. SECOND AVERAGING 59104* NU4BER/44*3-H4)	DISTANCE: 400 FT	PRECIP PROBE	1.675+14	•	•	•	;	•	•		•	•	•		•	•			1.23E-11	<b>*</b> 0 <b>*</b>
Y TEST 1 3 0159104 (NU+BE	DISTA	STZE (NJ)	4.64	647	776	1241	1538	1635	2132	2429	2726	3323	3320	3617	3914	4211	4538			
AFF5 ICING SPRAY TEST BY AFGL 15.20MD AVER 15.20MD AVER 14.514.514.514.0015910.0. PARTICE STZ: 215872.007120.9.5 (NUMBE2/4+*3-NM)	ATE: 34 SPM	C_3JJ	104512**	3. +7€+87	1.035+07	1.165+17	3.*1€+16	3.505+06	1.326+16	1.55.	3.0.24.5	3.67E+15	2 - 7 2 5 4 5 5	2.515+05	9.685+64	3.746+34	3.345+04		7.52E-01	123
14FF73 14F534 14F534	HZO FLOW RA	572£ (40)	53	M.+	29	92	132	122	142	151	181	2.1	221		264	260	3.6			
ď		SCATTER P233E	2.575+08	9.912+38	2.545+49	3.36:+03	2.15.+69	1.255+69	1.195+09	6.5.2+08	7.215+09	7.735 +08	5.352+05	3.9.1.4.B	2.53E+08	1.345+08	7.+3=+.7		4.62E-02	50
SAMPLE 16	PRESSURE: 18 PSI	312E	<b>A</b> I	•		•	7	12	1,	15	13	2	25	<b>\$</b> 2	Şê	52	8		5	MED D

1.6.1

CAL FACTOR! 16.0 F & 0.5 T PO I M T - 22. 2 TEMP (C) -11.8 TAS (M/S) 122.0 NT (M/H3) 1913511-3 P (#8) 558.7 ALT (KH) AFFI ICING SPRAY TEST BY AFGL
FLIGHT E79-U3 ON 21 LAN 79 I SIDOND AVERAGING
INTERNA 79 I SIDOND AVERAGING
INTERNAL STRATIFFIDISSORP
PARTICLE SIZE LISTREDITIONS (NUMBER/M\*\*3-M4)
IYDE: ARIN DISTANCES 460 FT 2.81E+94 FLOW CATER 34 GPM 3.4 6c. + 6c C. 343 いいりょうしょう にゅうしょう にっこう ちょうしょう かいい かいい かいしょう しゅうしょう しょうしょう こくこくこく こくこく こくこく こくこく こくこく アントー CAL FACTOR 16.0 PRESSURE 10 PSI H20 1.495-01 SCATTER PROSE TOTALS 1.11E+88 257 FROSTPOINT -22.2 ALT (KH) 4.653 TEMP (C) -11.6 1AS (M/S) 122.9 NT (N/H3) 1611866.8 P (MB) 550.7 DISTANCES 400 FT 7.126+14 PRECIP PROSE \$12E FLOA RATER 34 GPM 3.092+67 1.002+67 1.0 CLUU) PRESSURER 13 251 H20 7.84E-82 21 SCATTER PROSE 0.1.00 B.7.2.0.00 B.0.0.00

SAMPLES

SAMPLE 1 15

FISHT E79-,3 ON 21 JAN 79 1 SIOND AVERAGING INTERPRETATE TO SECOND AVERAGING THE SATE STATE STATE STATE OF SECOND SECOND STATE SATE SATE SATE OF SECOND SECO

LFFT TCIMS SPRAY TEST BY AFGL 1 SECOND AVERAGINS LAFEARL STATHOBESSIAP PARTICLE SIZE STRUCTONS (MUADER/MP-Y-MM)	SPH DISTANCE: 488 FT CAL FACTOR: 16.8	SIZE PRECIP P (MB)	404 5.84E+33 ALT	3	10 944 60 TEMP (C)	1538 0.	1635 0.	2112	2726 0.	3023 0. TAS			3914 00	450000		3.465-32 4.685	m e pro e constante de constant	AFFIS ICING SPRAY TEST BY AFGL 14 E-144L - STATT FOUNSPILLY PARTICLE SIZ, DIAZIBUTIONS (MUMBER/M***-MM)	3PM DISTANCES 448 FT CAL FACTOR: 16.8	SIZE PRECIP P (MB)	434 3.25E+94 ALT		1241 0. TE	1536 0.	2132 0. F.OS	10 2429 0 -21.6	3623 G. TAS		7165	4211 40 458 8 8.		}
4FFT3 ICING SP 79-03 ON 21 JAN 79 L4TEAVAL SFARTI- LE SIZE JISTAIGUTIO IYDES RAIN	M20 FL3# 21TE# 34 6PM	3803d . (AA)	23	r+ :	92 9.32E+E	112	122		191		122	141		300		:	132	AFFIC ICING 79-u3 ON 21 LOING INIERGEL PIRI LE SIZE OISFRIBUÏ	H20 F3W 21111 34 3PM	\$125 CLOUD	23	50 0.05+EF-6.7	95		145	151 3.555+05	201		196			:
SAMPLET 16 FLIGHT E PARTIC		SIZE SCATTER	2 1.04E+49		6 8.86E+49		12 5.21E+03	60+36:00 97					26 1.095+09	32 Se075+68		7.0	MED 0 21	SAMPLER 15 F_IG4T E PARTIC		SIZE SCATTER (MJ) PROBE	2 1.02E+69	# 3.93E+09		13 8.335+69		######################################	2.47	22 2-246+09			• ••	
	CAL FACTOR: 16.0 PRESSURE: 10 PSI	P (IR) 550.6	ALT (KH)	4.854	TEMP (C)	-12.0		F COSTPOINT	2123	TAS (M/S)	122.6	;	1 (M/H3)	***************************************	TOTALS	4.775-01	117		CAL FACTOR: 16.8 PRESSURE: 19 351	7.055	ALT (KM)	4.853	TEMP (C)	-12.0	FROSTPOINT	-22.1	TAS (H/S)	122.7	NT (N/H3)		TOTALS 7.26E-01	h 3
TEST BY AFSL 1 3 5 5 0 MD AVERAG 159 108 * (NU4 8 6 R / N++ 1 - M4)	DISTANCE: 400 FT	SIZE PRECIP	*0 +0+		1241 0.		1635 0.		2726 0.				5914 0.	4538 0.		• • • • • • • • • • • • • • • • • • • •	•	SPRAY TEST BY AFGL 79 1 SIZONO AVERAC 1401:55a BB* ILNS (NUMBER/H**3-H4) IN	DISTANCE! 408 FT	SIZE PRECIP (MU) PROBE	404 3.75 +14	647	_	1500 co		2726 8.		3527 J.		4211 0.	2.46E-11	, •
AFFI ICING SPRAY TEST BY AFSL -8° DW 21 JAW 79 1 SIDOMD AVERAGING INTERFALS STATE #88159508* SIZE JISSERBUITOMS (MUJRER/M***)-MU)	FLOW RATER S+ SPM	38C2-0 (04)			32 1.13467								28.5 Je			10-5//**	) T	AFTS [CING SPRAY TEST BY AFGL  DW 21 AM 79	F_3W KSTER 34 6PM	312: CLOUD		43 33E+67 62 1.552+67			142 1.7.E+Lo					515+6	4.79E-C	•
16 FLIGHT 279 PARTICLE	18 PSI 420	SIZE SCATTER (MU) PROSE		SOPHIFF OF P	3 1.045-63	13 7.56€+09		Le Gendered					9 - 1 - 1 - 0	;		10.4	MED 7 21	16 F.IS4T E79. PARTICLE	PRESSUREI 13 PSI H20 F	SIZE SCATTER (MJ) PROBE		- 2.95E+89		12 /*05E+u9						• •	_	
SAMPLE 1	PRESSURF																	SAMPLE	PRES													

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¥	CAL FACTOR: 16.0	9.000	ALT (600)	1:051		TEMP (C)	-12.1		FROSTPOTET	-21.1		TAS (H/S)	122.5		MT (WM3)	2165115.9		TOTALS	172
11 BY AFGL 1. SECOND AVERABENG 114. 1882 - HOUSENS	DISTANCE: 400 FT	PRECTO	******	:	-	<b>:</b>	:	:	:	<b>:</b>	÷	:	<b>:</b>	÷	<b>:</b>	<b>:</b>	-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10, 30, 50
7 TEST 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1	D1314	SIZE (MU)	•	Ì	į	1241	1538	1015	21 12	6292	2726	3023	3326	199	391.4	1124	135		
AFF7 ICING SPRAY TEST BY AFG. FILEAT E79-23 ON 21 JAM 79 1 SICOND 4 1 SICOND 4 SI JAM 79 1 SICOND 4 SI JESTALIOUS (MANGELMOS) PARTICLE SIZ: 3157284/10045 (MANGELMOS)	420 FLOW 417ES 34 SPM	38 Ch d On C 70	4.386.87	** 302+37	2.622+87	1.595.67	7.65E+16	3.54E+16	2 , 5 9€+ € 6	1.125+86	3.296+85	3 7 . + 2 5	4.735+5	7.316.64	9.185+0+	9.922+54	7 .96E+B+		3.9921
4661 14184 14183 5123 )	FL3#	512E (46)	2	7	29	26	717	122	7	101	<b>:</b>	231	223	7:	992	26.	6.		
€		\$C4TTER >1036	1.87 = +6 #	3.340.03	8.156+49	1.23.418	9.116.19	5.35€+69	4.366+19	2.615+63	3-115+03	2.1.36.03	£0+3/1-5	1.551.09	1.126+49	5 - 106 + 09	7.172+48		13-38-1
SAMPLE 1 SA	CAL FACTOR: 16.8 PRESSURE: 18 PSI	3218	~	.•	•	•	84	21	**	15	15	28	25	54	58	2	2	•	NEO D
CMIC	CAL FACTOR!	F (MB) 951.7	ALT (KM)	4.853		TEMP (C)	-12.1		F 2 O STP OI WT	-51.6		14S (M/S)	122.6		NT (N/H3)	20 32148.9		TOTALS	4.365-01 146
SPEAY TEST BY AFEL 1 52:000 AVERAGINS 171:081:591.2° 12045 (NUM BER/MOO3-M4)	DISTANCES 608 FT	PROBE	6.492+33	1.65E+31				<b>:</b>	;	•	<u>:</u>	ċ	•	÷		;			964
5PGAY TEST BY AFGI 79 1 3 2 3000 1 [T 1088159112 9 12 005 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DISTA	\$12E	46	i	**	1247	1538	1435	2132	2+29	2726	3923	<b>3356</b>	3617	1914	4211	4530		
	420 FL34 417E1 36 6P4	C_043	6.532.67	4.51E+87	2.4.E+C7	1. 425+67	7.76 - 0.6	9 7 + 3 ; 6 • 1	2.53€+16	195.56	1.1.6+66	2.766+.5	\$ 14.36 2 **	4.5.6+0.5	2.455.60	1.33=+65	9. c 3c+. 4		10000
1218 1418 1418	FL38 3	312	23	,	76	92	132	122	1+2	101	191	201	221	2.1	.55	296	386		
FIGGT 279-u3 ON 21 JAN ELIGGT 279-u3 ON 21 JAN ENTESE SIZE DISERRADE FARTISE SIZE DISERRADE		SCATTER PROSE	6.01E+88	3.512+63	7.666+19	1.142+13	6.532+19	5.578+39	4.292+83	2.76:+(3	2.386.3	2.225+49	2.04E+83	1.612.449	1.685+69	5.97.+08	60+36+9		10-27-41
SAMPLE: 16	PRESSUREI 18 0SI	\$125	~	.•	•	•	2	21	*	15	2	.2	22	ě.	92	ຄ	£	•	KED 3

CAL FACTOR: 16.8 FreeDess Ē, ALT (00) 1ENP (C) TAS 8/30 127.7 DISTANCES 468 FT 420 FL3# 21721 3+ 6PM C\_043 1715 (40) におりままままままる マック とうこう ことに ちゅうかい かいかい かいこう ちゅうか こり ちゃっちょう ちょうしょう しょうしょう こくこく こくこう ファット・トート SCAFFER PROSE CAL FACTOR: 16.8 PRESSURE: 12 351 \*\*\*\*\*\*\*\*\* F < 05TP01MT ALT (KM) TEMP (C) -12-1 14\$ (M/S) 122.4 P (MB) DISTANCE I 603 FT 5.65E+13 1.65E+11 PRLCIP PR38E FLOW ANTER 34 GFM 2, JU) 517: (19) 日本ではていていることにはこれには、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のは、日本のは、日本のは、日本のは、日本のは、日本のは PRESSURES 18 PST H20 SCATTER 2433E これらりょうからはのこれがには

AFFT ICING SPRAY TEST BY AFFL FIGHT E79-83 ON 21 JAN 79 1 SECOND AVERAGING INTERACTOR (NUMBER/Mee3-MM) FYSE RAIN

SAMPLET 16

FIEGHT E79-67 ON 21 JAN 79 1 BEIOND AFFEL LALLAL SHRINGILES9113\* PARTICLE SIZE 91110N5 (NUMBER/NO-3-H4)

MT (M/MS) 21.19709.7

1.0K-01

7.376-81

1.326-81

TOTALS 0.19E-01 135

1.896-01

HT (M/H3) 2331686.4

SAMPLES

SAMPLE 16 F.164T 279-93 ON ST. JAN 79 1. SECOND AVERACING FILENAL STATISSOISSOISSOISSOISSOISSOISSOISSOISSOISS	ZMSW BUCAL
SAMPLE: 16 F.[G4T E79-63 OR 21 JAN 79 1 SECOND AVERACING LATERAL STREET-00:59159 PARTICE SIZE JESTAPHING (MUMORALMY)	ZMGC Guch

M20 FLJM ARTER 34 62M DISTANCER 4.8 FT CAL FACTOR 16.8 PRESSURER 18 PSI
SIZE PRECIP
PROBE (MJ) PROBE 558.6
7 664 2.575+13
7 1241 0.
٠
6 1845 0.
16 2132 0.
.0
.5 2726 B.
5 3323 3.
5
5 3617 0.
3000
5.32E-1 1.75E-12 7.10E-01
849

AFFI ICING SPRAY TEST BY AFGL 1 SECOND AVERASING INT.KAL STRATESTESPALTO PARTICLE STZE DISTRIBUTIONS (NUMBER/New3-M4) TYPER RAIN SAMPLE 16

CAL FACTOR: 16.8	P (#8) 958.7	ALT (KR)	TEMP (C)	-12.1	THE STREET	4.61-		14S (A/S)	122.2		HT (N/H3)	21.93954.4		707ALS 9.19E-11 141
DZSTANCES 490 FT	PRECTP PR39E	2. #2E+84 i.		<b>.</b>	•		÷	<b>.</b>	÷	<b>:</b>	_	•	÷	1.926-11
07574	321S	:3	1561	1938	1635	2429	2726	3023	3320	3617	1914	<b>1124</b>	1500	
420 F.34 KETER 34 GPM	36050 01010	5.35E+f?	1.682+37	3.146+86	6.43E+66	1,205+66	5.36E+85	3.786415	2.71E+85	1.08€+65	1.65E+05	5.85€+0+	5.2+6+84	7.26E*61 118
F_34 <	\$12E (4.)	10 P	2 6	201	221	161	101	797	122	142	560	. 60	3,5	
	SCATTER PROBE	1.355+03	1.185+18	60+345-6	5.675+39	2.42E+83	2.345+03	1.376+89	2.31E+09	1.355+63	1.175+89	5.99E+0R	8.68E+38	1.946-01 21
PRESSUPE	STZ	N .4	· 40 **	12	2	<b>.</b> 93	2	62	22	2	\$5	\$2	200	37 A
CAL FACTOR: 16.0 PRESSURE: 13 PSI	558.7	ALT (KM) 4,853	TEMP (C)	-12.1	***************************************	-19.9		14S (M/S)	122.5		NT (NVM3)	2388685.5		10TALS 8.83E-01 131
DISTANCE: 400 FT	PRECIP	4.4.E+13		9.	•	• • • •	:	•	;	-		•	÷	2.395-32
015741	SIZE (MJ)	3 5	94.4	1530	1635	545	2726	3823	3326	3617	3914	4211	4586	
17:1 34 6PM	35056 31,030	3.472+17	2.01E+17			1.412466		·	•	•	7.515+84	7.512+84	4.705+64	1.735-81.
420 F.J4 431E8 34	\$12:	m Pi	20 %	21.1	22.	161	191	40%	2.5	1 + 2	26.	29.	300	
	SCATTER 229BE	1.66£+.9	8 - 8 + 11 + 12 9	6.58E+83	5,142+09	2.425.449	2.562+83	1.46E+89	1.89.+33	1.315+89	10.75+69	5.30E+10	6. 355+11	1.735-01
PRESSUREI 19 PSI	10M)	A) d	· 40 · 4	, 3	15	4:3	7	23	27	*	22	2	ñ	0 3 3 4 5 7

202	CAL FACTOR: 16.0	P (M) 958.6	ALT (101) 4.854	1EMP (C) -12.8	FRÖSTPOINT		121.9	AT (M/M)	5,29638.9	TOTALS	8,916-81 137	3MG	CAL FACTOR: 16.8	P (MB)	ALT (QM) 4.857	1EMP (C)	C. OCTOOPERT	-19.2	145 CH/SI 121.6	NT (W/N3) 2446882.6	107ALS 1.13E+88 179
EST BY AFG. 1 SECOND AVERAGE 14 BER/HOST-HH)	DISTANCES 468 FT	SIZE PRECIP	484 2.46E+94 647 0.		13.5 G.	2726 0.	123 G.	3617 0.	4211 B.		1.625-31	1 35000 AVERAGE 1 35000 AVERAGE 1 9128*	DESTANCES 409 FT	SIZE PRECIP (MJ) PROSE	n, ea e		1935 6.		3324 6. 3324 6.	3617 6. 3914 8. 4211	3.50£-81 40£-81
HFFT LGING SPRAY TEST BY AFGL FLIGHT EPG-13 ON 21 AND 79 I SICOND AFERSENS THERALL STARTIFEBUSENS (WINDER/WFF-HM) PARTICLE SIZE ISTERBATIONS (WINDER/WFF-HM)	cates 34 GPM 01	CL090	7. 315.00	1.706+67	1, 64E+66 2, +9E+66	1. 6. 5 C . 0 5. 6 C E • 6 C	4 1E + 6 5	1.535455	33000	******	7.496-E1	4FFT2 TCHG 5PRAY TEST BY AFSL FLISHT 773-J3 D4 21 JAN 79 5 5550MD AVERAGING INTERA, FARTH-081591239 PARTICLE 5IZZ JASTABATIOMS (MUMBER/M+++3-M4) IYAZE RAIM	420 F.JW 44TER 34 GPM 31	CC 20.3	2.21E+1.7 3.54E+6.7	1.74E+E7	986486	999	5 0 + 25 +	4 . 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5 .	7.50Er[1
	420 F.JW	SCATTER 512: 2403E (43)	7.612+68 23 3.832+69 +3			1.392+89 181	1,572,009 741	9.3854.9 241		**************************************	1.1.5-01			SCATTER SIZE PAGE (193)	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		4-855+89 122		10152 +69 201 10152 +69 201 10152 +69 201		1,24E-81
SAMPLE 16	S. 8 PRESSUKET 18 PST	1(H) 3218	A) P	** #	23	9 51	22	***	0 er ,	;	LWC NEG D	SAMPLET 16	CAL FACTOR: 15.0 PRESSURE: 1, PSI	EZIS EZIS	NI at 1	0 ~ Q	21		57 22 28 23 28 24	. 60 Q. 4. . 50 15	LWC WED D
<b>58</b> .	CAL FACTOR: 16.0	P (HB) 558.6	ALT (KM) 4.854	TEMP (C)	F. OSTPCI WT		TAS (M/S)		2.72197.0	TOTALS	1,2,5,00	SM1	CAL FACTORS 1	7 (MB)	4LT (KM)	TEMP (C)		2.61-	145 (M/S)	NT (NVM3) 2578772.8	TOTALS 7.57E-81
PARY TEST BY AFGL 9 1 350000 Averaging 1*88159128 000 (AUM 952/HP+3-144) M	JISTANCE1 409 FT	15 PRECIP	-	964 6. 241 J.	1635 0. 2132 0.		e c		3914 6. 4?11 0.	3.	56E-11	PRIV TEST BY AFTL 9	DISTANCES 410 FT	312c presser		944 0.		36 6.	2726 0. 3823 0.		
ICING SPRAY TES   14M 79	234 48121 34 6PM 318	CLOUD STZE PROPE (MU)	~ ~		2.35E+16 218			<b>5</b> 14	rv rv	¥. • C •	9.482*1.1	AFFTS [STWG FPRAY TE 'OW AL JAW 79 41.444, STAPTF97159 21.01517134171708 (40)	7 4	<b>3</b> W		~ ~ .	م ہ	• ·v	3.4(E4.5 38		<u>.</u>
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	± 024	SCATTER S173 P203E (4U)	1.17£+89 <3	-26E+10 52 -205+10 32	0.0451414 4.095E+09 122 5.745+69 142				8.315+08 29C 8.835+08 29E		1.575-01	A TOTO LOTAL AND TELLINA 7 TO LA LINA 1 TO LA LINA 1 TO LA LINA 1 TO LA LINA LINA LINA LINA LINA LINA LINA L	10 251 420 FL34 3	TER 5125 3E (4.)1	3.582.689 .2					2012 (A. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	
SAMPLE? 36 FL	PRESSURES 10 PSI			.0 ~ (								SAMPL: 16	PRESSUREL 10	i						1 .9 60 E	

AFFT ICING SPRAY TEST BY AFGL
FLIGHT E79-J3 ON 21 JAM 79 1 SECOND AVERAGING
INTERNAL STRETF-1805901250
PARTICLE SIZE JISTALUTIONS (NUMBER/Me+03-KH)
IYPE: RAIN ATTO ICING SPRAY TEST BY AFGL
FLIGHT E78-83 OV 21 JAN 79 1 32000 AVERGING
INTERAL STATISTISSIES 
PARTIDLE SIZE 11STALBUTIONS (NUMBER/MOSS-MY) SAMPLE: 16

CAL FACTOR: 16. TOTALS 1.29E+88 163 FROSTPOINT -19. 3 TAS (M/S) 121.3 NT (N/H3) 2961898.8 TEMP (C) -12.3 950.4 ALT (KM) ī 3,195~31 434 .. 846+34 DISTANCES 400 BENT TO REGING BENT TO BENT TO SERVING TO SE FL3# 24TEs 34 GPM 3.585-[1 127 315 (30) こりょうて すます ここここ ごう なんない ひゅう・こり ひゅういく しゅう・こう とって こうごう こうしゅう PRESSURET 18 PST 428 1.53E-01 20 32477£P CAL FACTOR 16.0 TOTALS 9.94E-01 130 FOOSTPOINT -19.2 TEMP (C) -12.1 745 (M/S) 121.6 N (N/H2) P (MB) 550.5 4L7 (KM) 7 5.75013 1.860011 DISTANCE: 460 F\_34 24ff1 36 504 3.505-11 C.0U3 SIZE PRESSURER 18 751 N20 1.63=-01 SCATTER P209E ないこと ないない ないない はんしょう というしょうしょうしょうしょうしょうしょうしょう

SETT TOTAL SPRAY TEST BY AFFL TELEST ESTOND AFFLENCE STATEMENT A SECOND AFFRENCE STATEMENT STATE SAMPLE 1 16 AFTT [CING SPRAY TEST BY AFSL 2. JAN 73 T SECOND AVERACING INTERAL STATEMENT OF STATEMENT OF SPREAT PROPER (NUMBER ( SAMPLE 1 16

¥	CAL FACTOR: 16.0	7 (10) 7.059	ALT (KM)	TENP (C)	-12.3	FROSTPOINT	-13.4.	TAS (M/S)	121.1	MT CACATA	2730108.6	- tu tu	1.46.00	211		CAL FACTORS 16.8	7 (NE)	ALT (101)	4.053	TEMP (C)	-12.2	F 2 OSTPOINT	-19.5	148 (#/5)	120.1	10,000	2200005.4	TOTALS	0.99E-11.
AFFT ICING SPRAY TEST BY AFEL FIEGAT EFF-B3 3 2 CONG AVERAGING TATATO-8159139 PARTICLE SIZE DISTRABUTIONS (NUMBER/MOSS-NU)	DISTANCES 400 FT	PRECTP	8.26E+84 6.	-		<b>:</b> :	;	: .:			: -	<b>:</b>	5.43E-01	*6.4	AFFIC TING SPART TEST BY AFGL FLIGHT E79-37 ON 21 JAN 79 1 SECOND AVERAGINS INTERAL, STATIOGUS96337* PARTICLE SIZE JISTANGANA GRUNDER/MO995-M4)	DISTANCES FT	PRECTP	3.97E+04	;	•	•	: 2	•	::	•		::		2.62E-31 484
7 163 1 163	DIST	\$12E (NJ)	33	ź	1930	2112	6242	3123	3320	3617	4211	150			7 TEST 1 1 615913 CHUMB	1210	SIZE (MJ)	7	1	1721	1536	2132	2429	3053	3320	1107	1124		
AFFI LCIMG SPRAY TEST BY AFGL 30 21 AM 79 1 SECOND A 41244L STATIONS (NUMBEANOUS- 2E DISTRABUTIONS (NUMBEANOUS-	420 FL3# 44TE! 34 GPM	CLOUD	1.115+88	3.446467	1.046+17	3.07E+16	9.486+65	3.288+15	4.19E+65	1.526+1.5	1.65E+05	1.486+65	3.976-11	124	AFFI LILME SPRAY TEST BY AFEL 10 21 JAN 79 1 5520MD A 4FERAL STARTFBDESD131** 1E JISTALDHIOMS (MUMBER/M**)* 175:8 RAIM	HEO FLOW LATER 34 SPM	C_040 P-{09E	5.036+27	3. +15+87 2. 64F+87	1.305+27	5.796+86	2.586+16	1.176+66	4.176.65	3.762+05	1.535+85	5-146-04	2 - 2 4 C + 6 +	5.67E-01 126
14 FF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FLOW	\$12E (43)	M W	2 6	77	271	151	102	221	2.1	28,	370			AFFT 34 ON E4TER SEZE D	FL0# 4	\$12 (40)	23	m 4	8	200	7+1	101	202	4 2 2	7 E	23		
		SCATTER PROBE	1.532+89	1.205+18	1.136+10	6.41E+c9 5.33E+c9	2. 52E+03	2.175+89	2 7 . + 69	1.395+69	7.095+58	8.58:+88	2.11E-01	12			SCATTER PROBE	1.518+09	5.242419	1.612+10	1,14:+18	5,265+89	3,196+83	2.15E+09	2.385+03	1.622.489	5.47.64.8	9: 35E - 18	2,11E-01 20
SAMPLE 1 15	CAL FACTOR: 16.8 PRESSURE: 16 PSI	\$12±	N.	•	, =	15	9.	23.2	77	42	2 2	2	T.WC	MED 0	SAMPLE: 16	CAL FACTORI 16.8 PRESSURE: 10 251	SIZE (HJ)	7	æ u	•	1 2	: :	2:	<b>5 5</b>	22	* *	; 6:	•	E C S
	16.1															16.6													
9	CAL FACTOR	P (N8) 558.4	4LT (KH)	TENP (C)	-12.4	FROSTPOINT	-19.4	TAS (M/S)		T. (1/13)	2605347.7	20701	9.426-01	115	941	CAL FACTOR	550.3	4LT (KH)	4,859	TEMP (C)	-12.4	F & OSTPOINT	-14.4	TAS (M/S)	121.6	NT (N/H3)	2619648.3	TOTALS	1.19E+88 168
PERV TEST BY AFEL ASTAGING 1:00:59:20:20:20:20:20:20:20:20:20:20:20:20:20:	DISTANCE: 468 FT	PRECIP PROSE	8.73E+13 1.66E+31	• •	: -						::	:	5.85E-12	90 7	PRAY TEST BY AFG. 1 SECOND AVERAGING 18 OF EST SP 10 OF SUMBERNES - M4) N	TH BON HECKEL	PROTE	5.642+34	•		• •	:		: :		•		:	3.71E-01 404
1651 133 159 128	DISTA	SIZE	4 0 4 0 4 0 4 0	*	1538	1835 2132	6242	3023	3328	3617	4211	4538			1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	AT 216	S12E (4J)	3	3 8	1241	1538	2132	2429	3023	3320	191	1124	424	
AFFI ICING SPRAY TEST BY AFFI. FLIGHT E78-13 ON 21 JAM 79 1 3E:OMO AVER INTERVAL STATION 159120 PARTICLE SIZE DISTRIBUTIONS (UMMEX/Hev3-H4)	CATER 34 GPM	CL 0UD	7.132487	3.585+67	8.575+06	5.34E+E6 2.58E+E6		7 + D 5 C + 4 7	6.4.25.4.4	1.515+0.5	2.1.:+[5	1.275+05	3.845-1.1		C LUTMG SPRAY CL JAN 79 MA_ SLAY1#00 ISTATESTIONS IYOGE RAIN	CATEL 34 SPH	38036	3.42E+37	5,425+07	1.525+17	1.056+07	2.9.5+36	1.555+66	4.02E+05	2.342405	1.0000	1.136+0.5	1.615082	3-196-41
AFFT. 3 O4 14 E4 17 E 0	F.34 &	\$17E	53	2 6	201	7 6 5 1 1 6 5 1	151	101	277	261	)	306			AFET 03 DN 14TE3 512E J	, HC.	1715	23	<b>M</b> C	2 CO	102	142	161	7 <b>1</b> 7	221	* *	3	2	
	10 23 HZO F	SCATTER PROBE	1,536.63	1.235+10	1,115+10	6.932+89	2,591+69	3,735,403	2,117.43	1,525+69	6.592+68	9,32:+08	2.14E-01	21	PAGE DATE COLOR STREET TO FOLK STREET	: 021   15c 8T	SCATTER PROBE	1.725+03	5.216+39	1.515+18	9.756+69	4,215+09	2,626+83	1.325449	1,895+83	1.395+03		9.1.2	1.62E-01
SAMPLE 16	PRESSURER 1	S 17:	~ 4	•	• 3	2 2	<b></b>	: c	22	₹;	60 GB	20	3	#E. 9	SAMPLE 1	PRESSUREI 18 25I	517E (M)	2	٠ و.	•	2;	¥ <b>3</b>	57	28	27	\$ <b>5</b>	8.8	3	0 G3H 1980 1980

APT2 ICING SPRAY TEST BY AFGL
FLIGHT EP9-83 On 21 ANN 79 1 SCOMO AVERACING
INTERAL START#040859320
PARTICLE SIZE DISTRIBUTION S (NUMBER/M\*\*3-M4) SAMPLE 1 16

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; TOTALS 2.016-01 122 F40STP01MT -31.2 ALT (000) 1EMP (C) TAS (M/S) 131.8 HT (N/H3) 788914.4 ë ë ī 5.55E+13 DISTANCE 100 \$12E FLOW RATES 15 GPM 5.55E+f3 1.31E+64 1.17E+64 1.586-61 かいりょうしょう ごこごごここ なる おうりょう おうしょく こうしゅう こうしゅう こうしゅう こうしゅう こうしん こうこここ ごごう すうしょ SCATTER PROBE 18 91 CAL FACTOR 16.8 PRESSURES 131ALS 4.03E+03 137 FROSTPOINT -19.5 TAS (M/S) 120.9 NT (M/M3) 1166619.9 TEMP (C) -12.2 P (MB) 951.2 ALT (KM) 2.356+13 1.62E-92 PRECIP DISTANCE: +08 FLOW RATER S+ SPM 3.6/6-(1 51.0UD ST Z.: PRESSURE: 18 PSI H20 SCATTER 3203E

A FFT ICING SPRAY TEST BY AFSI FLESAT E79-D5 ON 25 JAN 79 1 SECOND AVERGENS INTERNAL TITLESSALTASS PARTICLE SIZE DISTRIBUTIONS (NUMBER/N=03-M4) TYPET RAIN FLISAT E79-,5 JN 25 JN 79 1 SECOND AVERAGING INTERVAL TRATECLIATION INTERVAL TRATECLIATIONS PARTICLE SIZE DISTRIBULIONS (NUMBER/MEST-MU)

SAMPLES 178

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SAMPLE 171

SAMPLES 174 AFFT ICIME SPRAY TEST BY AFGL	FLIGHT EYS-15 OR 25 JAN 19 1 SECOND AVERAGING	の内内 さんてりがなっしたりには、コピカルにには	PARTICLE SIZE DISTAIGUTIONS (NUMBER/APPR)	
17A 4FFT2 ICING SPRAY TEST BY AFGL	FLEGHT E79-05 ON 25 JAN 79 1 SECOND AVERAGING	HENDRALD WITH WEST WITH WAS A STATE OF THE S	SANTICLE SIZE DISTARGUILORS (NGA BER/K+44-144)	

SAMPLES

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FT CAL FACTORS	951.1		910-1	!	TEMP (C)	-21.1		FROSTPOTHT	-31.1		TAS (M/S)	131.2		MT (M/M3)	305551.5		TOTALS	10-124-01
DISTANCES 180 FT	PRECIP	7.525+83						: -	j									4.94E-32
	SIZE (MU)	9	6.47	116	1241	1536	1635	2112	2429	2726	3023	3320	3617	3914	4211	458		
H20 FLJW RATER 15 GPM	CL000	1.875+67	1.645447	• • B BE + G 6	2.166+66	1.116+66	3 - 25E+C5	1-185+05	7.315+04	3 . 2 . E + C 4	;	•	7.615+84	3.456+84	1.586+04	1.356+04		3-342-8
5 FL 24 &	SIZE (#3)	23	*	62	6	102	122	241	161	181	231	221	545	256	2.80	300		
	SCATTER P298E	3.38E+08	1.67E+09	5.03E+83	3.55E+03	4.14E+89	3.26E+89	2.65E+89	1.795+89	2.046+43	1.30E+C3	1.175+09	6.36E+08	4.352+68	2.30£+98	2.16E+08		9.435-62
PRESSUREI 10 PSI	(NU)	^1	•	•	•	=	21	<b>:</b>	91	61	ลื	22	12	92	82	8		5
6.0																		
CAL FACTORS	F (MB) 551.2	ALT (KH)	4.847		TEMP (C)	-57.8		FROSTPOINT	-31.1		TAS (M/S)	131.2		NT (N/M3)	1466771.1		TOTALS	3. P4E-01
DISTANCE! 150 FT	PRECIO PAGGE	1.316+94		-	;			•		•		•	;		•	•		8.54E-12
01314	SIZE	3	647	3 3	1241	1530	1635	2132	545	2726	3823	3326	1617	3314	4211	4506		
ITE 1 15 6P4	5,003 P308E	5.9AE+P7	4.15E+17	1.396+87	\$.:5E+36	3.345+86	1.435+66	7.585+15	4.385+65	1.945+65	1.435+85	1.265+15		1.312+34	2.53€+64	2.355+04		2.985-01
420 FLOW RATE	3126	23	*	95	82	1.2	123	1 4 3	161	191	231	221	2+1	263	286	360		
	SCATI ER PROBE	5.23E+88	2.846+83	6.345.63	7.385+03	6.835+09	4.53E+C3	3.525+09	2.75€+63	3.16E+89	1.97 = +89	1.346.4	1.35E+19	6.39E+08	3,385+08	4.12E+88		1.556-61
PRESSURE: 18 PSI	\$17 <u>5</u> (MI)	N		•	•	2	2	*	76	2	ಸೆ	22	\$	92	<b>58</b>	8		1

CAL FACTORE	758.8	ALT (KM)	F 98 3		TEMP (C)	***	•	FROSTPOSEST	-17		TAS (M/S)	132.3		HT CH/MEN	11006401.4		TOTALS	1.756-41
DISTANCER 188 FT	PRECTP PROSE		: -			:						-	:	_		-	;	:
015741	STZE	*	647	446	1241	151	1015	2132	2429	2726	3023	3326	3617	3914	4211	456.6		
PCDW RATER 15 6PM	01000 P 208E	4.72E+67	2.86E+L7	1.22E+07	3.01E+86	2.36€+86	1.12E+£6	4.10E+05	2.425+15	5.22E+04	2.855+84	3.136+04	<u>:</u>	-	-	-		1.756-81
* NC7:	S12E (43)	6	*	29	20	102	122	142	151	181	201	221	142	20.	286	300		
02H ISc 01	SCATTER PROBE	4.436+88	1.275+09	3.312+03	6.085+03	4.435.409	3.21E+83	2.845+69	1.915+19	1.36E+09	1.40 € + 09	1.16E+19	7.06E+00	6.195+68	2.565+88	2-35E+00		1, 62E-65 20
6.0 PRESSURES 10 2ST	SI ZE (HT)	~	*	•	•	97	21	<b>3</b>	91	2	<b>5</b> 2	22	*2	<b>52</b>	52	92		LEG D
5.6																		
CAL FACTOPE	P (MB) 551.4	ALT (KM)	4,845		TEMP (C)	-27.8		FPOSTPOINT	-31.1		TAS (M/S)	138.7		MT (N/M3)	1204150.9		TOTALS	3.07E-01 113
DISTANCE: 100 FT	PRECTO P409E	7.548+93	•		-	:			:	•	:		<b>:</b>	•		-		181
DISTA	SIZE (MU)	7	249	116	1241	1538	1835	2132	6296	2726	3823	3328	1617	181	6211	4588		
17:1 15 GPH	380ed	4.375+87	3.11E+C7	1.512+67	3.81E+E6	3.365+66	1.365.06	7.712+05	4.89E+85	7.928+64	8.648+04	3 . 17E+6 4	÷	7.546+03	1.515+64	1.35E+84		2.57E-01 100
H20 =L34 44)	STZE (MJ)	23	M#	62	8	175	721	162	151	191	291	221	242	382	285	306		
	SCAFTER PROBE	6.37E+08	2.17 £+49	6.766+63	6 . 59E +19	6.75E+09	60+352.6	69+3TE+6	2.896+09	3.28£+09	2.35£+19	2-136+69	1.696 449	9.596+68	4.346.88	3.326.00		1.696-61
PRESSURET 18 PSE	\$12E (MU)	2	•	•	•	3	23	4	<b>3</b>	3	22	2	£	2	2	=		90 12 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14

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SAMPLE: 178 AFGL SET2 ICING SPRAY TEST BY AFGL INTERPRETATION OF THE SECOND AVERAGING THE PARTICLE SIZE DISTRIBUTIONS (NUMBER/M®\*3-MM) TPSE RAIN

SAMPLE: 17A FLIGHT ET9-85 ON 25 JAN 79 1 SECONO AVERACING INTERNATING THE STANDARD S

9 <b>4</b> I S	CAL FACTORS	7 (18) 550.9	ALT (KH)	268*	TEMP (C)	-58.2		FROSTFOINT	-21.1		TAS (M/S)	132.4		MT (M/M3)	1061675.8		TOTALS	2.12E-81	7
AFFICATO SPEAT TEST BY AFFILE SECOND AVERAGING TO THE SECOND SEC	DISTANCES 100 FT	F PRECIP	<b>.</b>	•	1.692+31	•	•	•	•	•		•	: -					5.036-33	1541
**************************************	_	S17E (MU)	3			1538				•	•		361	331	421	458			
AFFT ICING SPAN TEST BY AFGL FLEGHT EF9-65 ON 25 JAN 79 1 SCOND A INTERNAL STATISOLES AND 96K/M**S- PARTICLE SIZE JISTRAUTIONS (NUM 96K/M**S-	HZO FLOW RATES 15 GPM	CL0U3	6.52E+07	1.19E+07	5.76E+06	3.215+06	1.152+06	3.27E+C5	2.415+65	7.816+64	1. 425+ 25	9.38E+f4	•	-		-		2.175-61	4
445 141 141 = 15	MC7= 02	SIZE (MJ)	23	7 N		102			151				241	250	283	90,			
<u>.''</u>		SCATTEP PROBE	4.436+08	1 - 31E +09	5.42E+03	4.048+69	* 55E+03	5.80E+89	1.71E+89	1.976+09	1.425+09	1.085+09	6-15E+08	4.84E+38	2.37E+88	3.525+08		1:3	20
SAMPLE 3 178	6.8 PRESSURE: 10 PST	SIZE (MU)	~	* 40	~	3	23	<b>.</b>	91	<b>9</b>	23	22	*	92	82	£		L	MED
e e	CAL FACTORS	6 (48)	ALT (KH)	4.856	TEMP (C)	-58.5	1	FROSTPOINT	-30.9		TAS (M/S)	133.2		NT (N/HT)	1.93791.8		TOTALS	2.47E-91	105
ING SPRAY TEST BY AFGL JAN 79 1 SECOND AVERAGING STATT=2117142= STATT=2117142= STATT=211714141414141 STATM	DISTANCE: 100 FT	PRECIO PAOBE	6.486+03	1.600+31	•	•	•		•	•	•	.;		•	•			4.47E-32	607
1 51 1 51 1117142 (NUM GE	DISTA	SIZE	707	٠ ، و د ،	1.24.1	1538	1815	2132	5429	2726	3023	3320	3617	3914	4211	4508			
	ATE: 15 6P4	360%	4.89E+07	2.375+07	5.724.16	2.602+66	1.15£+66	4.952+05	1.585+05	7.775+34	5.65E+L+		3. 152+64	2.12c+[+	1.3"=+84	1.162+04		2., 2E-f.1	36
105 DE 115 DE 11	H20 FL3W RATE	\$12E (4U)	23	# 10	2	132	122	142	161	181	201	221	241	40	200	300			
ARTICLE STREET S		SCATTER	9.465+88	2.78E+69	1.036+10	3.74E+89	6.91€+09	6.162+63	4.255+43	4. 32E +09	2.895+63	2.56=+09	1.656+09	4.255489	5.53E+68	7.78F+88	•	2.32E-ù1	20
SAMPLE: 178	PRESSURE: 16 PST	S12E (MU)	~	•	•	7	2	=	97	3	2	25	**	26	8	S	•	C 160	MED D

FACTO\*1 6.8

SAMPLE: 178

FIG4T 279-05 ON 25 JAN 79 I SECOND AVERAGING

FATTON 25 JAN 79 I SECOND AVERAGING

ARTICLE SIZE DISKRIBUTIONS (NUM BESAMP) SAMPLE: 178
F\_IS4T E79-95 ON 25 JAN 79 1 SECOND AVERATING
[VITE/AL STATIC-211/1/45\*
- AATICLE SIZE DISKRIDITONS (NUMBER-M\*\*3-M4)

	SAL FACTORS	P (MB)	558.9	ALT (KM)	4.852		TEMP (C)	-26.3		FROSTPOINT	-30.0		TAS (M/S)	132.4		NT (N/HS)	633825.9		TOTALS	1.245-01	~
	DISTANCER 188 FT	PRECIP	PROSE		•		4.	:				•	<u>:</u>					:		-	-
	DISTANC	SIZE	Ş	101	249	776	1541	1538	1835	2132	9429	2726	3623	3326	3617	3914	4211	4508			
ALEA CANDED AND ACCOUNTS AN	HZO FLJW RATER 15 GPM	CLOUD	36000	2.615+67	1.56E+07	3.676+46	3.545.466	1.81E+06	7.445+05	3.81E+05	1.216+05	5.21E+84		ø•26€+64	•	:	•			1.246-01	~
	FL7# 24	311E	Ĵ	23	E.	9	82	102	122	142	161	181	201	172	241	56€	263	300			
11011		SCATTER	Płobe	2.14E+08	5.34E+08	2.28E+03	2.336+03	1.30E+09	1.26 - + 49	1.015+09	7.05E+08	7.74E+08	5.34E+68	4.22E+88	1.596+08	1.116+08	5.535+67	4.84E+07		3.436-02	5
	CAL FACTOP: 6.0 PRESSURE: 10 PSI	SIZE	()H)	2		•	•	2	12	**	16	19	2	22	42	56	82	OS.		CAC	MED O
	CAL FACTOR	( th) d	550.5	ALT (KH)	4.856		TEMP (C)	-58.5		FROSTPOINT	-36.8		TAS (M/S)	132.5		NT (N/M3)	1298577.7		TOTALS	2.215-01	5
(F. F. C. L. F. C.	DISTANCES 109 FT	PRECIP	360èd			•	•	•			ċ							: -		ċ	•
	NATPIC	3415	(A)	707	6+7	116	1241	1538	1835	2132	2429	2726	3023	3320	3617	3916	4211	4506	•		
SACTICLE SIZE JISTRISCITORS (NOTBER/14-15-14)	121 15 6PW	66.90	280	3.812+67	3.535+47	1.605+07	5.55E+C6	2.465+66	1.116+06	5.7 JE+65	2.17E+05	1.82E+75	7.86E+D+	5.25E+64	3.47E+04				•	2.21E-61	60
3775	HZO FLJW PATER 15	\$1.75	Ê	23	) PT	9	9.5	102	122	142	161	191	201	221	241	266	384				
PARTICLE		SCATTER	PROBE	2.52E+89	6.355+36	1.738+89	2.578+83	2.135+69	1.855+09	1.+2E+89	9.185+08	9.25E+08	6.35F+BB	5.555+568	2.8 TE+0A	2.62E+68	8.9AF+87	1.665+88		4.91E-82	28
	PRESSURE: 10 PST	5175	(DM)	^	. 4				12	1	91	3	; <b>K</b>	2	: <del>*</del>	*	2	; 5	3	2	MED 0

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SAMPLE: 164 F79-64 DW 24 JA179 1550AV EST BY AFGL 1550MD AVERASIMS INTERFECTIONS (1960MD AVERASIMS INTERFECTIONS (1940ER/News-MW) TYPE: ANIM

<b>2715</b>	SCATTER	S 17 E	0.00	3176	al Sedo	(88)
S S	36024	Ş	₽₹99≘	SE.	Poje	549.5
~	1,376+47	1.5	6.375467	404	1.345.34	ALT (KH)
	6.175+07	<b>6</b>	*** 0E* 67	64.7	;	4.870
*C	2,125+68	6,	2-425+67	7 16		
•	2.7.5+08	20	1.10c+07	1241		TEMP (C)
2	1.446.403	102	6.125+66	1538		-15.6
15	1.255+38	153	1.73€+66	1835	•	
í	1,155+68	162	1.1 55 + 0 6	21.12	•	FPOSTPOINT
16	6.17E+u7	161	5.505.6	6242	9.	-17.9
91	9.596+07	141	3.10E+F5	2726		
2	4.80E+07	201	2.826+15	3023	•	1 AS (M/S)
25	1.37E+07	, c	1.245.05	3326	•	1 23.5
2,	ż	192	3.645.64	3617		
5	6.85E+06	26.0	3.3 9E+04	391 4		NT (N/M3)
<b>58</b>	1,37E+07	280	2.7.E+C4	<b>4</b> 21 1		1776285.9
2	ċ	30.3	7 62 . 64	4 05 t		
						TOTALS
ر ا د	2.8		4.14E-£1		9.186-12	5.05E-01
MED 13	12		102		39.5	•

:																		
CAL FACTORS		41,100		TE (C)	13.6		F 2051Pell er	-17.3			1.2.1		(24/2)	23 + 54 + 6 - 1		1976.	72-7/2-6	
DISTANCE: 188 FT	36C3-6	2.265+84		: :	<b>.</b>	÷	÷	;	• .		:.		•		<b>-</b>	,	10.00	•
BISTA	\$17E	7	ì	1201	1536	1635	2135					N	131	1124	1536			
M20 FL34 RATER 28 GAM	2.005 **05	4.025.67	7.3XX.7	1902111	62.564.4	53.251.7	1.166.	10 4 6 12 9 10 11					44411646	** 325.	4.755444	,		i
FL3# RA	472E	2	<b>.</b>	2 4	132	122	2+5	 :S	.4	•	;	• • •	T,	28.5	36.2			
	SC 47 1 EP 243 BE	6.28E.u9	1.666.69	6. 87: 683	2. 18F - C9	3.635+69	3,355+63	£3+54.47			* *		5.536448	2.532+68	2. 97 E+68		1.215-01	<b>5</b>
12 FECTOS: 8.6 PRESSURE: 18 PSI	\$125 (36)	N	•	• •	` ta	2	4	*	:.		₹ <b>?</b>	,	342	ξ;	2	•	¥ ;	. C3
CAL FACTORS	7.9.6	SLT (ICP)	4.858		75.5		FOOTPOINT	-17.3		157-1 511	137.0		(éa/N) +N	1565695.4		737.ALS	5.31E-91	
75 361 4354551	3cCéa eIC∓ea	2.136+34			• •			.;	•	,;	•	•			.;		10-50-11	404
31574	\$17c	3	<b>*</b>	i	1 2 2 4	1935	2 7	5.42	2726	1.423	1320	F- 41 W/W	391.	175	+516			
FE 1 5 534	2,000	5.300.003	F. 15E-C.	2,355.6	of the ball of the same	57.5%	7	3.152.0	2,465.63	53431245	E3414747	3.32500	J	** 2024			3.3121	111
F. W. 84	\$125	£ (1	Ş	, c			4	ų,	14.4	ŗ	2	÷	Ž,	747		1		
## \$504EE 13 381 420 FLY4 487E8 73	52.671°5 3839€	1.455.43	5.136.69	1.7.6.67	60+366-1	4 6 16 4 4	4 A 2 C	6 - 3E - 0	報子を対象である	3-235-59	2.55.	2. 715.	4 - 45,0 - 7	1. 1. 26 0.27	F 1 3 5 6 7		2.536-52	
PESSUE: 1	\$125	^		•	• ;	: :	: 4	95	3		2	*	K	2 K	: =	<b>?</b>	Š	#63 3

SAMPLES 183 AFFL CING SPRAY TEST BY AFFL ETHERATORY 1 SECOND AVERAGING THE FOLSON SAME TO 1 SECOND AVERAGING THE FOLSON SAME TOTAL STATE OF THE FOLSON SAME TOTAL SAM Samples tea to the rest and the rest of the rest eathers.

France of the rest of the rest

CAL FACTOR: 8.8	- <del>1</del>	417 (139)	į	TEMP (C)	-15.0		FROSTPOINT	77.0		TAS BACSI	175.1	!		2204392.3	;	MOTAL S	18-98-7	•
13 301 83745530	360ad	3.775.36		: 2	<b>.</b>	-	-	;			<u>:</u>	÷		;	-		7	}
11810	SIZE	3	ì	1251	154	1695	2132	545	2726	3823	3326	3617	341	1124	1261			
HZG FLOW RATES 23 GOW	2,003 #43%	7.1.6.67	5.30E.17	1.2 46 6.7	5.5 X +16	3.39€066	1.512.415	7.31E.65	2.87E+65	1.1 46.65	1.576.15	1.345.85	4.3 mg + 6.4	7.598.1	6.7 18.54		5-146-11	:
FL78 28	5176 (45)	M č	7 ;		77	122	243	191	181	12	122	241	ş	286	538			
	5247 Ek 3408E	7.556.4	2.25E+83	9-115-69	2.55.43	6. 516+53	5. 288 +19	*. 87 E+89	4. J. E. 113	3.686+69	1.972+63	1.276+69	7. 486+98	4.586+58	6,995+68		2.01E-61	
,I tienssied 1	87K) 3218	^	• •	n •	• =	17	4	91	27	X;	22	2	æ	20	課		ž Š	
TRE FACTOR 6.8 PRESSURES 13 351	7.642 5.44.2	ALT (YM)	4.959	-			FORSTPOT WT	-17.3		145 (4/5)	1.32.1		AT ENTES	1366639.1		TOT 4LS	3.97E-81	ţ
TS TEACLE ING OF	offee eltibe	3,															:	•
715T14C	SIZE	15.	3	*	177	1111	21.12	3	2726	3.82.3	3325	3517	*16.	425.1	4536			
TEB 63 G34	2, 243	79-315-67	5.336.67	2.975067	194 14 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7.136.1.5		10 14 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	1 4 2 4 2 4	4 1 2 2 2 4 4	1.035.003	0.3%					1.375-11	4
420 FL3# 8\$TE\$ 63	7215	4	~	· •			4 N	1 1		ŗ	100	4	ž	28.6				
	\$2.877.£P >>3.8E	**275**	1. 146-63	1.255+4.3	6.60E4.3	2 K35 413	2.1.5.6.69	F. 5 W 5.1		3. 776	7.736.68	3. BSE . 6.8	2.166.64	1.256458	1. 165-13		5. 95E-62	3
PRESSURE 14 297	\$12 (40)	٨	•	**	•	3:	y 1	4	:		2:	: 4	: :		=	•	3	

941	CAL FACTOR!	949.5	1000	. 47		TEMP (C)	72.		FROSTPOINT	-17.9		419.7		MT (M/MT)	1537637.5		TOTALS	146	1	INC		CAL FACTOPE		549.5	ALT (KM)	4. 878	41.54	101 AND.		FROSTPOINT		7.85 (R/S)	132.4		(EMAIL)	1007676	TOTALS	153
BY AFGL ECOND AVERAGE R/MP+5-H43	DISTANCE: 100 FT	PRECIP	******		: -	: -			-		<b>.</b>				<b>-</b>	÷		10.345.1	SY AFGL	COMO AVERAG	(/4003-44)	DISTANCE: 100 FT		9809E	7.445+13	-	<b>;</b> .		: =	:	j.	: -	•	÷	-	•		70.00
V 1EST 1 S1 S	DISTA	\$126	7.7	;	1	1241	1530	1.635	2132	545	9.1.	200	3617	3914	4211	4 53 E			r TEST	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	CHUMPET CHUMPET	DISTA		(4A)	;	4	*	1671	1835	2132	5 62 9	1823	3328	3617	201	985		
AFFT) ICING SPRAV TEST BY AFGL F.IGHT E79-84 ON 24.1AH 79 1 SECOND AMERICAN ATTRACAS TATATIVES HSS 150** PARTICLE SIZE DISTREMUTIONS (NUMBER/MP**5-M4)	HZO FLOW RATES 28 GPM	0,000 •208£	K. 345487	X.A 66 P. 7	415+17	7.7 3.486	3.7.15+86	1.7 8E+86	1.32E+C6	3.35E+1.5	3.1.25.405	2010101010		2.045+84	4.33€.4	3. 56E+64		107	AFFTO TOLING SPRAY TEST BY AFGL	26 JAN 79	PARTICLE SIZE DISTRIBUTIONS (MUNDER/Nees-44) TYOSE RAIN	HZO FLJW RATES 20 GPM		36055	7.51E+6.7	2.246+87	8.345466	1.465.05	9.505+03	4.37E+65	1.535.65	1.5 ZE+C+	6.255+84		100000	1.336.64		14-306-1
4FFT 14TER SIZE D	FLOW R	\$12E (*U)	**	3 5	2	-	132	122	142	39	1	1 6 6	26.1	20.9	797	2			I S S T	10 10 10 10 10 10 10 10 10 10 10 10 10 1	2115	FUH R	:	195	23		2 :	132	122	142	191	201	22.1	7		Ē		
184 F. IGHT E79 PARTICLE		SCATTER PROBE	0. 485 AB7	2. 76F+8A	1.055+69	1.01E+09	7.45E+48	6.17.6.08	4.6?E+uB	3.245438	5. Z4E + 08	1.075.00	7.285+17	2.67E++7	1.395+67	2.07E+u7		100 5-00	46	FLIGHT E79	PARTICLE			36Cac	6.91E+116	6.91E+07	1.756+38	1.456+64	2,355+88	1.456+88	1.525.0	4.84E+97	4. 14E+87	4.146+67	5.76F+B7	2. 07 6 + 87		19
SAMPLE 1	PPESSURE: 15 PSI	SIZE (MU)	•	J <b>4</b>		•	27	12	*1	<b>:</b>			17.	\$2	\$	30	5	4E0 0	SAMPLE: 164			JSc ff #580SS3#G		(fal)	^-	•	•	9 4	15	1	4 =	. 2	22	2;	9 K	<u> </u>		MED 0
	9:0																					6.0																
92	CAL FACTON	7.645 549.7	ALT CKM)	4.867		TEMP (C)	-15.9		FPOSTPOINT	-1/-3	13/8/ 272			NT (N/M3)	1463392.8		4.695+81	113		5 M 2		CAL FACTOR		549.5	ALT (KM)	4.879	10.00	-15.9		FPOSTPOTAT	6 • 17	TAS (H/S)	132.9	MT CH/HT:	1546666.5		TOTALS	113
JIM. SPRAY TEST BY AFSL JAN 73 SECOND AVERASING SEATLORESISS REGISTONS (NUMBER/YOS3-44)	DISTANCE! 100 FT	PRECIP PROSE	1.300.1		÷	9.	÷	•	÷.		•				;		A.56F-12	101	STATE SPRING TEST BY AFGL.	ELUNU AVENA.	R/HF = 3 - 4 4)	DISTANCE 138 FT	61-61-60	36684	1, 315+34	.;		:	:	<b>.</b>			•			:	8.515-22	;
1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S	01514	3778 (49)	3	547	746	1541	1536	1935	2132	222	4424	3320	1617	3914	4211				TEST	135115	38 107	01514	613.	(E)	ş	3 8	2,1	1538	1835	2132	2726	3023	3726	1105	+211	1588		
7 TOTM. SPRAY TEST BY AFFL 24. JAN 79 11 SECOND A Mel. Stratter 155114 Establiches (HUMBER/Hees) IVPES RAIN	ATE: 28 GPM	3602d	5.325.67	4.395+67	2.135.67	1.115+07	4. 92E+#6	2.37.0466	1.195.16	1.556.5	1.7370	6.255+64	;	1.500+64	2.585+14	* 1 4 3 6 6 7 7	3.935-61	46	٠.	(AL STARTER)	SITE DISTRIBUTIONS (NUMBER/M**3-M4) TYPER RAIN	HES 82 1511		340%	6.96.467	4.325+67	1 . 1 . 5 . 6 . 7	9-19519	1.7 BE.F 5	3.84.4.5	3.376+05	9.345464	6.236+34	1.305+04	2.56E++	2.325.64	3.348.61	36
4FFT TO 14FERVAL SIZE DISTR	FLOW RATE	3175			79	82	102	122	291	6 5		22.1	747	264	9 F	,			TELLOW SE	I MER	SITE	FLOW RET	2472	15	23	•	2 6	707	122	1	5	30.1	2	260	2	3.3		
FLIGHT E79 PARTICLE	02+ ISc 01	\$2.47.TER 24.08.E	5.536+68	1.58E+09	5.13£+43	5.79E+39	4. 53F+49	3. GBE+#9	624467	7. 5. 5. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	1.235+09	9-12E+68	5.11£+08	3.73£+69	1.64E+83	60428707	B.916-82	19		1.44m	PARTICLE	18 25I H20	COAFTED	38C8c	2.436+68	7.37.6+08	2.646+83	1.365.63	1-3-6-9	1.225.49	7.92E+08	4.27 E+88	2.626+88	1.245.48	4-135-47	8.25E+87	3.535-62	_
SAMPLE: 18A	PRESSURES 1	STZE	~	•		•	=	≃ :	1	2 5		22	12	92	8 C	•	1	O Gill	SAMPLET 18A			PRESSURE: 1	517.	(914)	<b>P.</b> 1	• •	•	3	75	á :	<b>5</b>	2	22.6	<b>7</b>	2	200	1	160 1

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	•																						•																
¥	CAL FACTOR:	5.0.5 540.6	ALT (KH)	1.864		10 AL 10	104	FROSTPOTHT	-17.4		14S (M/S)	132.3		1240044		TOTALS	3. 33r-81	111		Inc			CAL FACTOR		P (MB)	ALT (KM)	4	TEMP (C)	-15.7	FROSTPOTHT	77.0		145 (4/5)	1	NT (N/NS)	1.66336.4	TOTALS	5.326-01	2
AFFT: TOTMG SPRAY TEST BY AFGL.  14 ON 24 JAN 79 1 SECOND AVERGING  14 ON 24 JAN 79 1 SECOND AVERGING  15 SECOND AVERGING  16 SAN 19 SAN 18 SECOND AVERGING  17 PER JAN 19 SAN 18 SAN 18 SAN 19	DISTANCES 100 FT	PRECTS	6.526+91			•	; ;					•	<i>:</i> .	• •	: :	;	4.285-82	į		1 SECOND AVERAGING	•	ST Seek/	DISTANCE: 1"0 FF		PRECIP	3,146+94	;.	: .	j,	; 4		•	•	: -	•	•	:	2.165-01	•
1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	DISTA	St7£	101	\$	į	1421	111111111111111111111111111111111111111	2132	2429	272€	3323	3326	361	*160	1124						F155121	38 110	DIST		SIZE	7	3 8	1241	1536	2132	242	2726	3853	36.17	1914	121	* 20 6		
4FFT: TCIMG SPRAY TEST BY AFGL. 14FFRALE STATIONS (4UMBEA/Mee5-M4) 15FCMA STATIONS (4UMBEA/Mee5-M4)	FLJM RATES 28 GPM	CL 003	4.425+57	3,125+67	1.796+17	7.58E+65	9143714	A. 2 BF + C S	2.656465	1,92501	1.145415	9.38E+L4	6.355+0+	3.115.66	1.17606		2.30E-61	102	-	ON 24 JAN 79 1 SECOND A	LATERVAL STARTE PERSSEL	SITE DISTAIBUTIONS (AUMBER/Mess-444)	HZO FLOW RATER 18 SPM		7: 0JJ	5.8 3E+£ 7	4.0 2E + 67	8.386+06	1.726+66	50136653	1.452+65	3.326.05	5.785+64	1.005.1.2	3.145+8+	6.295.04	5.52E+04	3.26E-81	105
AFFT 14FFR SIZE DI	FLONER	S72E (4U)	23	*	<b>Q</b>		2 6	14.5	191	191	7.5	\$ 27 7	3	.0.	202	:			į		1 47 5.8	0 3215	FLOW R		(A) 3715	8.	<b>.</b>	\$2	273	221	161	191	<b>507</b>	7 7	26.3	28.7	2		
A FFT: TCIMG SP F.IGHT EFG-B4 ON 24 JAM 79 INFERAL STATH PARTICLE SIZE OSSTRBALIFOR	8 PSI H20	SCATTER PROBE	7.61E+87	2.536+88	7.445+08	6.57E+06	5. /8E+US	200 1 7 7 T	2.6 TF+EB	2.635+08	2. J1E+08	1.31E+08	6.91E+07	2. C7E+U7	5. 91 F + 25		1.1? E-02	18		A FLISHT E794		PARTICLE			SCATTER PROBE	6.92E+07	3.125+48	1.126.69	8-18E+48	5.54E+88 5.68F488	4.15E+3B	3.39E+08	1.665+08	5. 54F+87	6.92E+67	2.08E+07	3. 46E+87	1.42E-02	17
Sample: 184	8.6 PRESSURES 18 PSI	S12E	A.	•	••	• (	9 .	7 -	, <u>.</u>	97	<b>82</b>	22	<b>3</b> .	92 :	S 2	3	CMC	MED 13		SAMPLE: 164			B. B PRESSURER 13 251		S122 (MJ)	ĸ,	<b></b>	•	21	24	91	91	<b>8</b> 8	27.	56	92	2	2	MEO O
9 81	CAL FACTOR	6 (MB) d	ALT (KM)	4.879		TEMP (C)	-12.	TMIDGINGS	-17.9	•	TAS (4/S)	135.4		AT (N/HT)	1,000001	TOTALS	3.446-71	124		201			CAL PACTOR		4.645 549.4	ALT (KH)	4.971	TEMF (C)	-14.7	TATOUTSOCA	-17.9		TAS (M/S)	132.9	NT (N/H3)	1362328.0		3.93E-81	128
ING SPRAY TEST BY AFFL. JAN 79 1 SICOND AVERGING SPATINGERS 115* SPATINGS (AUM FEZ/Mon 3-44) RRIM	DISTANCES LEG FT	PRECIP PRO9E	8.695+13		:	<b>.</b>		•						٠.		•	5.715-32	101	,	NAG SPARY TEST BY AFSE	Participation of the Control of the	I BUTIONS (NUMBER/HERRAMM)	13 801 13581510		PRECTO PPJªF	1.396+14	•		:			:				-	÷	9.175-32	-
1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S	MISIC	SIZE	454	1.0	**	1241	1536	2.4.7	2012	2726	3123	3326	3617	7162	1729	3664			!	Y 725T	C 15 51 13	(NU48E	01514		\$12£	0,	3	1261	1518	1815	2629	2726	3023	3 526	3916	4211	4508		
	TE1 28 634	CL043	4.126417	3,352+07	1.5 55+67			1.965406	100000	1.475.05	.,716+65				1.74545		2.362-11	107				STAT PUTTONS	T2 20 534		2,043 22035	0.025+67	T BE+C7	1.535.6.6	3.416+06	1.435+66	7. 46F + 65	1.1650.5	1.1650[5	7. 75404	3.11600	2.796.64	7-305-64	3.016-61	100
.4FFT3 IS -64 ON 24   UTERVAL SITE OISTO	HZO FLJH KAT	647E	*	, pr	29	2.5	133	223		į :		22	7.	, (o,	5.5	6				AFFF	10 to	Taxi			\$12E (40)	23	7	\1 \	112	122	7 1 1	181	12	12.	1 9	209	2		
FLIGHT ETS- PARTICLE		SCAT TER 2808E	2. 756407	8.296+07	4. 15E+u8	4.285+39	3. 545+48	2.632448	00-367-7	1.045488	3.655.007	4.15E+07	3. +6E+07	6.91E+65	1.366+07	6. 91 E+20	5. 845-03	23		A CTARACTURE ACTOR OF ACTOR OF	F. IGHT E/94	PARTICLE	120 64	75.	SCALTER PROBE	4.14E+C7	1. 60c+68	4.55E+88 5.04F+98	3,596+08	7. 315+68	1.336.48	1.525+43	8.98E+87	6. 21E+87	6.00F+16	6. 98 E+16	÷	£0-36-01	17
SAMPLE: 104	PRESSURE: 18 PSI	S I 7 E				•	<b>2</b>	<u> </u>	<b>:</b> :	9 =	2	22	*	9.	<b>52</b>	2	5	MED D		SAMPLES 184					S12: (PH)	*	•	in <b>«</b>	1	21 :	2 4	:=	82	22	2	87	2		C

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:																			
CAL FACTORS	• (NB) %4.8	ALT COM	4.873		TENE (C)	4.6		FROSTPOTET	-17.0	•	115 (8/5)	141.9	;	M7 (M/M3)	1572233. 7		TOTALS	\$ -54E-01	103
DISTANCE: 188 FT	PROSE	1.715.13	3-875+31								2					-	;	1.25E-82	679
DISTA	\$12E	464	749	3	1241	1538	1835	21 12	242	2726	4993	3420	3517	1914	4211	4500			
FLOW RATE! 23 GOW	CL 000	6.655+87	4.115007	2.045+17	8.572+(5	4.995+65	2,205+16	1.155+00	1.535+65	2.56465	4.36E+0	5.28E+0+	Ja + 9E + 4	2.145+64	1.31E+84	9.456+63		3.426-01	101
	S 12E	23.	4.3	29	2	102	122	14.2	161	191	7	125	241	160	281	, ,			
18 9SI H20	SCATTEP PROBE	5.06E+08	1.46E+09	4.89E+09	5.93F+89	4. 48E+89	3.21E+09	2.585+09	1,995+39	1.96E+09	1.256+49	9.36E+08	6.45E+#6	2. 98E+68	1.376+08	2.35E+ù8		9.056-02	19
PRESSURER 18 PSI	SIZE	~	*	٠	•	97	27	=	73	61	92	22	52	92	Š	2		, in	MED 0
CAL FACTORS	6 (HB) 549.7	ALT (KM)	4.857		TEMP (C)	-15.6		F-COSTPOINT	-17.9		14S (M/S)	132.9		MT (N/H3)	1516954.5		TOTALS	3,23E-91	93
DISTANCET 100 FT	PR139E	3.			<b>9</b> •	ė	:	•	•	•	•		:	•	.;	ċ		÷	-
11210	SI7E	404	647	776	1541	1538	1435	21.32	2429	2726	1023	3320	3517	3914	4211	4536			
1121 20 6PH	7,003 2209E	5.7 46+37	4.165+47	2,36€+67	9.536+65	3.122+05	1.705+66	7.3 4E+15	3.5 35 46 5	3.405+15	3.145.65	5.27E+F4	9.					3,235-61	93
HZO FLOW KATES 28	S 12E ( 4U)	<b>2</b>	m s	62	42	175	122	142	191	191	102	121	141	250	293	533			
	SCATTEP PROBE	5.55€+67	6.93€+07	3.745+08	2,295+08	1.396+08	1.116+08	7.35.67	6.245+07	6.93€+67	2.03E+.7	6.93E+06	6.93£+u6	6.93E+06	•	•		2,025-03	16
PRESSURER 18 251	S T Z = (M.)	2			•	97	21	<b>:</b>	9	97	20	?	30	92	<b>\$</b> 2	36		3	MED 0

9	SALFA
r TEST BY AFGL 1 1 1 1 2 COMD AVERAGI 165125 • (NUMBER/M+3-44)	DISTANCER 130 FT
ta AFFT3 TOLMG FPRAY TEST BY AFGL F-15HT EF9-L6 IN 24 JAN 79 1 SECOND AVERGING F-15HT EF 15F125 PARTICLE SIZE DISSLEPHTIONS (NUMBER/NW+3-M4)	ILON RATER 23 GP4 - DISTANCER 139 FT - CAL FACTOPR-8.0 PRESSUPER 10 35T - A20 FLOW RATER 20 GP4 - DISTANCER 130 FT - CAL FA
164 F. ISHI PARI	15c 01
SAMPLES	8.8 PRESSUPE
ુ <sub>મ</sub> ુ	CAL FACTOR
SFFT ISING SPARY TEST BY AFGL. 4. 74 24, JAN 79 1, SECOND AVERSING INTERACL STATICES (55128 ** NOT AND TAXABLE DISTRIBUTIONS (NUMPER/MOST AND TAYA)	DISTANCE: 139 FF
AFFTO IDING SPEAV TEST BY AFGL FIGHT F79-64 DW TO 1 SECOND AVER THEFALE STATE*ZE 155823* PARTICLE SIZE DISTARBUTIONS (NUMBER/M**1-44)	u.
F. ICHI	15€ 6▼
SAMPLE 184	PRESSUPER AND 351 H20

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SAL FACTOR	649.5	ALT (150)	1E#P (C) -15.7	FROSTPOINT	115 (8/5)	135.1	1517824.1	707ALS 8.04E-01 113
DISTANCER 130 FT	PRECIP	6.53E+13		ė ė ,	:::		:::	4.29E-82
DISTA	SIZE (MU)	33	1578	2132	2726	1326	121	
ALTE1 20 GP4	2. DJD PR03E	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	98-386-4	2.42E+86 1.23E+C6	2.35E+65 1.14E+65	5.275+84 3.48E+64	1.316.84	3.616-01
AZO FLOW R	\$12E (40)	M F (	262	223		17.7	263	
	SCATTER PROBE	3.19E+08 1.30E+09	S. 66 E + 89	2,53E+89	1,78E+09 1,00E+09	7.98E+88	1,59E+08 2,15E+08	8.00E-02
8.0 PRESSUPER 10 2SI	SIZE (CH1)	N 4 d		2 3 3	118 20 20	2 2 2	2000	UED O
CAL FACTOPE	P (4R) 549.5	ALT (KH)	TEMP (C)	FP051P01NT	1AS (M/S)	171.6 NT 69/H33	1735669.2	707ALS 5.46E-01 135
DISTANCES 139 FF	PRESIP PROPE	2.06E+34.6.	6.3		:::		್ತ ಕ	1. TSE-11 484
01519	S12E (40)	1749	1241	2432	3023	3376	4211	
NTE1 23 GP4	3_040 PR09E	7.375+.7	4 1 4 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1.215+00	2,52E+05 1,14E+05	1.26E+65 1.35E+65 6.37E+64	3.595+64	4.11E-61 105
420 FLOW RATER	5776 (19)	523	102	142	191	7 7 8 7 7 8	300	
	SCATTER 3008E	5.26E+L7 2.57E+C8	7.655+08	6.52E+68	3.62E+08 2.43F+09	1.16€+08 6.95€+07 4.17€+07	3.446+07	1. WE-02
ISc GT 13dRSS3bd	SIZE EZIS	N: 2 if	. 6 2 3	3 3 5	22	<b>52</b> <b>57</b> <b>5</b>	92 38 38	0 460 460 460

SAMPLE : 16A AFFT. ISING SPRAY TEST BY AFGL FIRE FIRE FIRE FIRE OF 24 JAN 79 1. SECOND AVERAGING	INTERNAL STATTF-PRISSIBS PARTICLE SIZE DISTAIBUTIONS (**UMBER/40*3-M4) 1 YPE: 4AIN
SAMPLE: 168 AFFE TOTME SPRAY TEST BY AFGE FF. ISM EFFE ON 24 JAN 79 1 SECOND AVERSING	I AFGRAL STARTS (NUMMER/Mess-H)  PARILCLE SIZE DISTALBUITOWS (NUMMER/Mess-H)

CAL FACTOR! FROSTPOINT -17.9 NT (N/H?) 1381117.8 ALT (100) TAS (M/S) 132.4 TEMP (C) 7.9.5 DISTANCE: 160 FT 1.49F-11 RATE: 20 GP4 5.47E-01 110 CL 0.35 450 7. 456 7. 406 7. 2.84E-02 8.8 PRESSURER 18 SE 4444440474040 646745440414069 CAL FACTORS 10TALS 4.515-01 121 F.OSTPOINT ALT (KH) 7AS (9/S) 132.2 1277155.7 TEMP (C) -15.8 P (48) 549.5 TSTANCE: 100 FT FLIN RATE: 23 GPM 7,592-61 100 2,043 2409E Н20 7.71c-62 19 PRESSUPE: 18 >ST

SAMPLE: 16A SPETC ICING SPRAT TEST BY AFGL ICAN Z6. AN 79 1.36 DONO AVERAZING INTERTREPTS SESSEMENT OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PAIN TYPES PAIN AFFT IDING SPRAY TEST BY AFGL FLIGHT E79-DA ON 24 JAW 79 1 SECHNO AVERSING I ATTWAL STRATT#20155827\* PARTOLE SIZE FISITAJIONS (NUMBER/WWFT-44) 3,6

CAL FACTORS	6 (48) 549.3	ALT (KH)	4.873		7EMP (C)	-15.7		FROSTPOINT	-17.1		TAS (M/S)	132.0		NT (N/H3)	2842353.9		TOTALS	114
DISTANCE: 138 FT	PROPE	6.316+13	7.05E+31		•	<b>:</b>	•			•	•			•	•			104
01514	SIZE	4 07	547	716	1541	1538	1015	2132	2429	2726	3623	3328	3617	3914	4211	4538		
RITET 23 624	2-0J3	9.115+07	23+271-5	2.335.467	1.385+67	5.01E+Po	2.3 25.406	1.256+66	6.26E+E5	3.64E+05	1.1 JE+05	1.25c+65	6.935+84	8.105+04	9. b 7 E+ C t	5.15Febb		107
FL.94	417E	23	£ \$	24	82	132	12.3	291	161	191	201	121	24.5	26.0	288	40.0		
02H 15c 68	SCATTER PROBE	6.495+68	1,95€+09	6.37E+89	3.085+03	6.345.69	4.436+09	3.93E+09	60+B8+73	2,855+09	1.345+89	1.465+09	7.24E+48	5.585+08	2.415+08	2.62E+08		1.305-01
CAL FACTOR: 8.8 PRESSUPE: 11 251	SI7:	~	.•	'n	•	97	12	: :	4	19	82	22		25	28	£	: !	200
9.8																		
	9.640	ALT (FH)	4.86.		1646 (C)	-15.4		FPOSTPOINT	-17.9		TAS (H/S)	132.2		NT (N/H3)	1195572.7		TOTALS	127
DISTANCES 190 FT	98EC19	8.785433	•	:	2	ċ			•		:	•	ě	•		9.		76.27.00
DISTAN	S12E (4J)	101	2 * 9	7 76	1241	1538	1835	2132	6242	2726	3023	1326	3517	3914	4211	4558		
TE1 23 634	3404€ 3404€	5.735+67	7.395+67	1.435647	5.35.46.0	2.21E+66	1.)95+65	7.525.65	3.372465	2,395+65	1.146+55	6.26E+64	30+ BE+65	3.468+64	1.745.66	1.562+64		102
HZO FLOW PATES	3175	2.3	*	63	82	102	122	241	191	191	701	221	241	26.3	29.9	7 22		
	SCATTER PROBE	3.125+08	1.236+69	3.01 * +13	4.35£+83	3.238.4.3	2, 325+63	1.742.439	1.368+69	1.546+89	8.93E+88	6. t. E+88	3.682+68	1.946+09	9.69€+07	1.11E+08		10
ESSUPER 18 PSI	\$12E (MU)	2	.•	٠,٠	•	3	4	=	91	10	62	25	<b>\$2</b>	<b>5</b> 8	<b>8</b> 2	38	•	₽ 2 2

SAMPLE

9	CAL	
V TEST BV AFGL 1 SECOND AVERAGI 1855832° (MUMBER/40+3-M4)	DISTANCE: 188 FT	
A RFT2 ISING SPRAY TEST BY AFGL F_IGHT EF9-04 ON 24 JAN 79 1 SECOND AVERAGING TATEMAL STRIP-28155532* PARTICLE SIZE OISTGROUTOWS (MUMBER/40+3-M4) TYPE: RAIN	FLIM RATER 20 GP4 DISTANCES 160 FT CAL FACTORS 8.0 ORESSURES 10 PSI H20 FLIM RATER 20 GPM DISTANCES 100 FT CAL	
A F. 16M PAR	150 0	
SAMPLE: 18A	ORESSURE: 1	
	9.0	
U Z	CAL FACTOR!	
L A√≅®AGI -44)	00 FT	
TEST BY AFG 1 SECOND 155130 (NUMBEZ/M**)	DISTANCE: 1	
FIGHT E79-04 ON 24 JAN 79 1 SECOND AVERAGING FIGHT E79-04 ON 24 JAN 79 1 SECOND AVERAGING INTERPRESSION ON THE STATE OF	_	
F.16H'	PRESSURE: 18 PSI H20	
AMPLE: 184	URE: 1	
SAMPL	PRESSI	

9:																			
CAL FACTOPS	(48)	549.5	ALT (KH)	4.878		TEMP (C)	-16.0		FROSTPOTHT	17.6	:	TAS (M/S)	132.5		MT CM/M31	198545.6		TOTALS	4.26E-01 192
DISTANCE: 198 FT	PRESTP	36 Cad	2.97 4.13	3.06E+31						-							: 4	1	2.08E-02 \11
	SIZE	Ĵ	424	647	7 76	1241	1538	1635	2132	2429	2726	3823	3320	3617	3916	4211	4508		
FLOW RAIES 29 GOW	5,043	P₹03E	7.525+67	5,155+67	2.345+(7	1.196+07	5.125+66	2.345+66	8.77E+65	2.41E+F5	3.385+05	1.395+65	1.37E+f5	3.475+64	3.255464	3.145454	2.10E+64		4.66-61
	5225	ĵ	23	* 4	29	6.5	102	12.2	142	161	191	102	221	24.1	96	280	40.0		
13 2ST 420	SCATTER	3 R 3 B E	5. AJE+09	2.25E+09	7.35E+#9	1.01E+10	7. 89E+09	5.38E+09	4.85E+09	3,77€+09	3.44E+39	2.585+09	1.79E+09	9.945+68	7.18E+18	3. D4E+08	3. 52E+08		1.66E-01 19
PRESSUREI 19 2ST	3218	CHO	•1	*	'n	•	3	12	4	91	<b>5</b>	20	22	3	92	28	35		1E0 0
9.0																			
CAL FACTOPS	(#B) d	549.3	ALT (KM)	4.873		TEMP (C)	-16.9		F-20STPOINT	-17.9		TAS (M/S)	132.7		NT (N/M3)	2085451.2		TOTALS	5.06E-01 109
DISTANCES 100 FF	PRECIP	360ad	4.75E+13	1.53£+11		•		5	•	•	•		•	:	•	•	•		3.19E-32 406
PISTA	SIZE	(AC)	707	249	776	1241	1538	1835	2132	2 42 9	2726	3923	3320	3517	3914	4211	4 50 A		
HZO FLOW RATE: 23 GPM	3,010	28020	7,415467	5 . + BE + E 7	2,652+67	1.275+67	5.665.+06	2.486+65	1.555+65	7.465.455	2.57E+05	2,356+65	3.12E+C4	•	4 - 5 35 + 6 4	3.662+64	5.452+04		104 45-61
FLJW RS	3715	ĵ.	23	t 3	9	95	132	122	142	151	191	7,7	221	361	76.7	28.9	100		
	SCAFFER	PROME	8.135+68	2,246+83	7.15 64.3	1.15 - 110	0.24E+09	6,645+03	5.17E+09	3. 78 E+69	4.12E+09	2.51E+09	1.946+19	1.29E+09	1.015+49	4.76E+0A	6.648+88		1.97E-81 20
PRESSURER 13 2ST	5175	(H)	2	.•	10	•	2	21	**	16	<b>£</b>	20	22	2.	<b>9</b> 2	92	2		

941	CAL FA
1 SECOND AVERAGINEM SECOND AVERAGINE SECOND AVERAGINE SECOND AVERAGINA SEC	DISTANCE: 100 FT
A APPLIANC SPRAY TEST BY APPL F.IGHT E79-64-0N 24-JAH 73 1 SECOND AVERAGING THERMAL STARTIFES 15555 PARTICLE SIZE OLSHARANG MUNGEAFMFFHH) IPPE: RAIN	. TH RATE: 28 GP4 DISTANCE: 139 FT CAL FACTOR: 8.0 PRESSURE: 18 3ST H20 FLJH RATE: 28 GPM DISTANCE: 188 FT CAL FA
- 164 F. IGH PAR	E: 10 35I
SAMPLE: 184	PRE SSUA
	9:0
<b>.</b>	CAL FACTOR
TEST BY AFGL 1 SECOND AVERAGI 1551340 (MUMBER/H003-MV)	DISTANCE: 139 FT
AFFT3 TOTMG SPRAY TEST BY AFGL F.IGHT EP9-84 OV 2-4 SH T 73 I SECUND AVERAGING INTRAVAL STATI-28155134 PARTICLE SIZE OSSISSIONS (NUMBER/Hess-NU) IYOG: RAIN	RESSURE 13 3ST HEO FLOW RATE: 20 GP4
F.IGH	15. 1
Ĩ	4
SAMPLE 1 10A	PRESSUR

	DISTANC	DESTANCE: 139 FT	CAL FACTOW: 8.	8.0 PRESSURE 18 351		FLIN RA	HZO FLJW RATE: 28 GOM	DISTA	DISTANCE: 188 FT	CAL FACTORS 8.0
3776		PRECIP	(4B)	312	SCATTER	S 12E	C. 0UD	SIZE	PRECIP	(48)
	۵.	40 BE	24.0.4	Ē	PROBE	Ĵ	P209E	Ē	PROBE	2.0.5
•	-	.69E+34	ALT (KH)	~	1.59F+48	. 2	4.51E+67	3	2.265+64	ALT (KH)
6.7	•		4.871	3	7.72E+08	K #	4.7 45+77	2 7 9	•	4.674
944 6.	;			•	2,295+19	6.9	1.845+07	**	•	
1241 0.	•		TEMP (C)	•	4.62E+89	42	9.972+66	1241		TEMP (C)
1536 0.			-16.9	77	1.74E+89	102	4.412+66	1516	•	-15.0
1935 0.	:			12	1.195+09	122	1.52E+C6	1835	•	
2132 0.			FROSTPOINT	*	9.65E+08	1+2	9.542+65	2132		FROSTPOINT
2429 3.	•		-17.9	1,	6.145+08	161	2,172+[5	62+2	•	-17.7
2726 0.				18	6.96E+118	181	2.53E+65	2726	•	
3723 0.	<b>:</b>		TAS (H/S)	20.	5.03 €+16	102	1.136+65	1323	•	TAS (M/S)
*320 C.	ះ		132.4	77	4.41E+08	127	9.365+64	3320	•	132.7
3417 0.	ċ			25	1.395+48	141	3.475+04	1617	ċ	
3314 A.	÷		NT (N/HZ)	36	1.31E+08	200	3.365+0+	3914	•	NT CE/M3)
4211 7.			1773694.1	23	4.14E+u7	18.	4.526+64	4211	•	1 . 5 2 6 9 9 . 9
4538 0.	:			r	9.65E+07	439	** 355+04	4538	•	
			TOTALS							TOTALS
2.435-31	2.43	7	6.516-01	C#J	3.436-02		3.345-12		1.435-31	4.02E-01
3	Ī	4	195	₩.			100		403	143

9 F.IGHT E79-64 ON 24 JAN 79 1 SECONO AVERAGING INTERVAL STATIT-26 156123* PARTICLE SIZE DISTATIT-26 156123* TYPE: RAIN	QATÉ! 20 GOM DISTANCE! 109 FT CAL FACTOO! 8.0 PRESSURE! 10 OSI M20 PLOM RATE! 20 GOM DISTANCE! 110 FT CAL FACTOR
HFTC 1 SHT E79-64 ON 24 I HTERVAL ARTICLE SIZE DEST	T HEO PLOW RATE
SAMPLER 189 F.1G	) PRESSURE: 10 PSI
SNI	CAL FACTORE 8.
TO TOTANG SPRAY TEST BY AFFL  24 JAN 79  4 SECONN AVEPACY  15 SECONN AVEPACY  15 SECONN AVEPACY  15 SECONN AVEPACY  17 PER RAIN	DISTANCER 109 FT
A PETS TSIME SPRAY TEST BY AFGL F_ISMT EFO-CL ON 26 JAN 79 1 SECOND AVERASINS I NEKAAL STRATT**2**155835** PARTICLE SIZE NESTRATING (NUMPER/M**3-44)	PRESSURE: 13 PST H20 FLOW RATE: 20 GPM
iea F_ISP Pas	150 [7]
SAMPLE: 164	PRESSURE

:							
CAL FACTORS	6 (MB)	ALT (KH)	TEMP (C)	F & 0.5 T POINT -16.5	TAS (M/S) 132.7	NT (N/H3) 1692345.6	TOTALS 5.23E-01 148
DISTANCER 110 FT	PRECIP PROSE	2.616+34				• • •	1.71E-01
DISTA	SIZE	31	1261	21,72 24,29 27,26 27,26	3324	1314 4211 4314	
PLOW RATE! 28 694	3,033 PR03E	5.11E+67 4.59E+67	1.40E+07 3.90E+07 9.90E+06	9.855+05 1.136+05 1.566+05	8.516+04 1.256+05 0.	2.55 5.85 5.85 5.05 5.05 5.05 5.05 5.05 5	1,526-C1 98
FLOW R	SIZE (40)	6.3	2222	181	72. 72. 72. 72. 73.	1995	
02H ISa 0	SCATTER PROSE	8.97F+07 2.26E+08	1.03E+09 7.12E+09 6.88F+09	3.31E+08 2.21E+08 2.62E+08	1.93E+08 1.93E+08 1.31E+08	2.76E+67 2.76E+67 1.38E+47	1.35E-82 19
PRESSURE 10 PSI	SIZE (HU)	ŘI JP v		1 2 2 2	222	9 <b>6</b> 7	L MCO D
8.0							
CAL FACTOR	0 (HB)	ALT (KM)	TEMP (C) -15.9	FOOSTPOINT -17.8	145 (4/5)	1603329.8	TOTALS 5.65E-#1 168
NISTANCER 109 FT	PRECIP PROSE	2.785+14	<b>်</b> င်ငံင်		<b>.</b>	•••	1.835-01
91ST4	SIZE (MU)	46.	1541	2429	3023	3914 4211 5508	
TE\$ 20 GOM	0,0J)	5.412.67	9.722+06 4.916+05 4.916+05	4. 1 36. 40. 5 4. 1 36. 40. 5 4. 1 36. 40. 5	1.39E+65 9.36E+64 6.93E+64	9.71E+54 9.57E+54 4.99E+54	3.52E-01 105
HZO FLOW RATER 20	312E (49)	8 P C	27.25	161	12.2	192 192 193	
	STATTER PRIME	1.93E+08 8.33E+08	2.45E+09 2.45E+09 1.46E+09	1.01E+09 6.83E+08 7.13E+08	4.14E+08 2.96E+08 1.99E+0	1.57E 018 5.52E 017 1.14E 018	3.38E-02 19
PRESSURER 13 3 %T	SIZE	hi di	u w Ci	9 4 9 E	2	X	1100

.**:** 

¥	CAL FACTOR	P (MB)	At 7 (100)	4.071		TEME (C)	45.2	;	FROSTBOTHT	2.6.5	1	TAS (N/S)	131.9		NY (N/M3)	2424248.7		TOTALS	5.566-81	105
EST BY AFT.   1 SECOND AVERAGING   16   15   16   17   17   17   17   17   17   17	DISTANCE: 188 FT	PRECTP	5.475+83	4. 60 E+ 81	1.61E+01		•										;		4. ú1E-32	415
1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S	DISTA	SIZE (MU)	101	3	7 3 6	1541	1538	1675	2132	6696	2726	3023	3326	3517	3314	4211	4596			
AFFT2 ICING SPRAY TEST BY AFEL FLIGHT EP9-84 ON 24 JAM 79 1 SECOND ANEM 79 1 SECOND ANEM PRINCLE STEE DISTACRUILLING KHUNGER/HP93-444) PARTICLE SIZE DISTACRUILLING KHUNGER/HP93-444)	HED FLOW RATES 28 GPM	3€0% 200€	1.185.08	6.425+07	3.266+1.7	1.305+07	6.70£+C6	3,365+66	1.385+66	7.275003	3.1 42+65	2.0 DE+C>	3.1.500	3.496+6	4.56E+54	6.235+5.	4.236+14		5.15c-61	100
AFFT INTER SIZE O	FL3W R	S12E (#)	23	2	29	26	182	122	14.7	161	191	101	12.1	¥.	,63 ,	280	49.3			
2		SCATTER PROBE	8.53E+89	2.37E+09	6.35€+09	1. 05E+10	9.776+09	6.145+49	6.95E+49	5.10E+09	5.94E+69	3.635+49	3. 32E +09	2.25E+09	1.572+09	7.63E+08	1.02E+09		2.89E-01	21
SAMPLE 2 108	PRESSURE1 10 PSI	\$1.2E (MU)	~	•	ø	•	1	~	<b>.</b>	16	21	2	27	<b>3</b> 2	\$	۲.	30		C NC	0 0.JH
2	CAL FACTOR	P (MR) 549.3	ALT (KH)	6.873		TEMP (C)	-15.0		FROSTPOINT	-16.5		TAS (M/S)	132.6		NT (H/M3)	2643288.5		TOTALS	6.62E-01	116
TEST BY AFGL 1 SECOND AVERAGING 15612% (NU4824/H**3-N4)	DISTANCER 168 FT	PRECIP PROSE	4.675+13	3.05F+01	4	:	÷	•	ë		ċ	÷		ċ		ě			3.236-32	414
1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S	DISTA	\$12E (MU)	101	ż	3	1241	1538	1835	2132	5429	2726	3023	3326	3617	7 76 £	6211	4 50 8			
2 ICING RPMAN TEST BY AFGL S. JAN 79 SCOND AVEN WAL STATT-29 966124 ISTREBUTIONS (NUMBER/H++3-H4) TYPER RAIN	47E1 28 GP4	2, 00.3 P2 085	1.105+09	7.3 76+67	3-1 35-67	1.435467	6.562+05	3.572+66	1.362+06	3.195.05	3.465+05	2,555+05	2.912+05	1.39€+15	3.175+64	4.315+66	4.30E+£4		5.345-01	112
<b>- 8</b> €	HZO FLJH RI	S12E (40)	23	m y	29	25	102	721	142	161	191	201	22.1	147	153	187	1.0			
AFFT E79-04 ON FLIGHT E79-04 ON TATER DARTICLE SIZE D		SCATTER PROBE	6. 76E+68	2. 04E+09	6. 58E+19	6,615+09	6.676+89	4.81E+69	4.38E+89	3.115+69	2.92E+89	2.15E+69	1.72E+09	1.05E+09	7.24E+68	3,73E+08	4.97E+08		1.56E-01	50
Spece 108	PRESSURE: 10 SS	\$12E (MU)	~	•	•••	•	=	12	=	91	=	6	22	*2	9,	53	30		3	MED 3

1FFT: ICING SPRAY TEST BY AFGL

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AFTI TIEM SPAY TEST BY AFGL
F.IGHT 279-04 ON 24 JAN 79 1 SECOND AVERAGENS
I AFERAL STATINGS 1968-27\*
PARTICLE SIZE DISTABLIZING INUMBER/MOPELMY
TYDES RAIN AFFT ISING SPRAY FEST BY AFGL F\_ISHT E79-84 DN 24 JAN 79 1 SEEDND AVERSING INTERNAL STREATING 1056823\*\* PARTICLE SIZE DIRTS 9313 NS (NUMBER/40\*3-44) DISTANCED 140 FF FLOW RATES 29 FOW PRESSURER 18 951 H20

2.89E-01 21

1.566-01

SAMPLE 1 189

TOTALS 6.22E-01 111 FOOSTPOINT -16. b TEMP (C) -15.1 TAS (M/S) 131.7 NT (N/HS) ALT (KH) DISTANCE: 1 PO FT 5.85E+)3 4.61E+11 PRECIP SIZE GETT TORREST TO TO THE STANDARD TO THE STANDARD THE STANDARD TO THE STANDARD T FLOW RATER 29 GOW 5.75£-61 185 3L0U1 31,5 CAL FACTOO! 8.0 PRESSURE! 13 PSI H20 2.44E-01 20 SCATTER SIZE (MU) 107ALS 5.926-01 FROSTPOINT -16.5 4LT (KH) TAS (M/S) 132.3 F (MB) 7E4P (C) NT (N/M3) 2393303.9 4.49E+13 3.06E+11 1.09F-32 4/4 5 5.51E-61 10% 3\_003 2239£ STATTER 220BE 2.565-01 721S 

v TEST 8V AFGL 1 SECOND AVERACING 1156138************************************	DISTANCE! 198 FT CAL FACTOR!	2E PRECTP P (MB) 31 P408E 549.3	84 1.31E+94 ALT (MM)	647 8. 4.873	÷	4. 0. TEMP (C)	36 815.1		TE C. FROSTPOINT	29 016.1	. e 0.	23 0. TAS (N/S)	9.11.6	÷	14 D. NT (WH?)	4211 9. 1795423.9	•		8.62E-12 4.14E-81	
AFFT. ICING SPOAY TEST BY AFGL LGHT EF9-84 DW 25 JAM 79 1 SECOND AVEN I AFERVAL STATTO-28156.38* PARTICLE SITE DESTAYOUTCONS (MUMBER/Mers3-84) I PRET 4AIM		3C1003 < T2E	4.355+67 4					•	9.1 3E+E5		-					•	2.35F+C4 45		3.236-52	
AFFT ICING SPOAN FIENT EPG-84 ON 24 JAM 79 INTERNAL STATTING PARTICLE SIZE OSSTATIONIONS TYPES GAIM	MZO FLJM RATER 28 GPM	758 ST7E 3E (140)	£+#1 23	E+08 43	5+#8 62	5+68 82		_	•							181	300		E-03	
SAMPLE: 189 F.IG: P41	PRESSUPER 18 PSI	SIZE SCATTER	2 4.196447	\$ 1.25E+08	5 2.64E+u	8 3.55€+08	10 2.85€+0	12 1.67	14 1.46E+08	16 6.26 +97	19 6.265+07	20 5.56€+07	22 2.79	24 2.78E+67	26 0.	2.5 0.	33 6.		LW3 3,21E-03	
J.	CAL FACTONS 8.0	P (#8) 549.4	4LT (KH)	4.871		TEMP (C)	-15.1		FROSTPOLKT	-16.4		TAS (M/S)	131.5		NT (N/47)	2177561.4		TOTALS	7.44E-91	
: 7.05 MG SP9AY TEST RY AFGL 2+ JAM 79 1 SECOND AVERAGING ALL SERVIT-SP1856129* (STRADUTIONS (MU4PER/M**3-M4) IVPER QAIN	TISTANCE: 100 FT	SIZE PRECIP (MJ) PROSE	43.4 7.595+34	_	0 776	1241 9.	1538 0.	1615 0.	2112 3.	2429 0.	2726 0.	#023 G.	332 U.	3517 0.	3914 2.	4211 0.	453 F 0.		2,365-11	
AFFT TOTAG SPAY TEST BY AFGL ON 2+ JAN 79 1 5:COMD A VIERAL STATE-PIESETS9* ZE DISTATABLIONS (NUMBER/M+++3+ TYDES GAIN	Tz: 20 6P4	3,000 2,005 3,005	9.196+67				_						3.2.5.465						5.182-6.1	
F.IGNT E79-04 I PARTICLE SI	SI HZOFLJWRA	SCATTER STZE 3458E (4J)	6. 54F+68 23	1.86E+89 41	6.765449 62	8. 99E+89										2. 49.04 P. 2.3.3			1.575-81	
es salens	PRESSUREI 18 25I	S 12E	•	و. ا		•	=	27	: #	. <del>.</del> .		. 5	?	1 2	36	3.5	; <b>P</b>	?	3	

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TOTALS 6.64E-91 F#05T#0147 549.2 ALT (KH) 1EMP (C) 1AS (M/S) 131.4 HT (M/HS) 1734035.1 DISTANCE 148 FT タイドンり こうらく ちょう アントきょう くくりょう くんりょう こくくしょう かいりゅう しょう しょう ちゅうちょう ちゅうしゅう おんしょう にんしゅう しょうしょう しょうしょう しょうしょう しょうしょう しょうしょう しょうしょう しょうしゅう しゅうしゅう しゅうしゅう FLOW RATER 20 GP4 PRESSURER 15 351 420 2.79E 0.1 3.85E 0.1 3.85E 0.0 CAL FACTORE FROSTPOINT -16.4 TAS (M/S) 131.8 ALT (KM) TEMF (C) -15.2 NT (N/H3) 1537786.6 549.3 DISTANCE: 139 FT FLOW PATER 23 ROW 7, 40 to 10 417. (10) Det SSAME 11 351 HZO 2.32E-019 3.72E-019 3.72E-019 3.61E-019 3.61E-019 3.61E-019 4.32E-019 4.32E-019 4.32E-019 4.32E-019 4.32E-019 5.61E-019 5.61E-019 6.61E-019 6.61E-SCATTER PROPE はいいい はいいいい ちょう

AFFICHT E79-F4 OF 24 JAN 79 1 SECOND AFFINS TATELY 1 SECOND AFFINS INTERNAL STATELY 1 SECOND AFFINS TO SECOND AFFINS TATELY AFF

9 11	CAL FACT	P (48)	TT (KH)
SY AFGL COND AVERAG L/4**3-44)	IJE: 100 FT	SITE PRECIO	434 2-375+94 ALT (KM)
1 EST 1 1 SE 1 SE 1 SE 1 SE 1 34 (NUM BE 1	DISTA	ST7E (MU)	37
AFFT: FOING SPRAY TEST BY AFGL F.ISHT EF9-04 ON 24.1NN 79 1 55.20MD AVERAGING INTERVAL STATE-28156134* PARTICLE SIZE, DISTRIBUTIONS (NUMBER/40*3-H4) TYPE: RAIN	NE 1 20 6P4	C_000	23 6-286+67
4FFT 9-04 ON INTER E SIZE, D	O FLOW R	ST2E (40)	21
89 F.ISHT E? Particl	19 PSI H2	SCATTER PROBE	2 7.466.408
SAMPLE: 189	PRESSURE	S125 (HJ)	N .4
면 로	I RATE! 20 624 DISTANCE! 100 FT CAL FACTOR! 8.0 PRESSURE! 19 PSI H20 FLOW RATE! 20 6P4 DISTANCE! 100 FT CAL FACT	P (HB) 549.3	4LT (KM)
AFT: TCING SPAN TEST BY AFGL F_IGHT E79-84 ON 24 JM 79 1 SECOND AVERAGING THERMAL STATIP-20156132* PARTICLE SIZE DISTRIBUTIONS (NUMBEX/M**3-M*) TYPE: RAIN	ICE 1 100 FT	PRECIP PROSE	404 2,28E+94 ALT (KH)
1 55 1 8 1 5 1 1 5 1 1 5 1 1 5 1 1 1 1 1	DISTAN	SIZE (MJ)	47
24 JAN 79 24 JAN 79 AL STARTIFE STRIBUTIONS YPET RAIN	ITE 8 20 624	C. 040	0.26c+07
16 0N 14TERV 1 SI 25 DI	FLOW R	512E (10)	23
FLIGHT E79 PARTICLE	PRESSURET 18 PST H20 FLOW	SSATTEP PROBE	1.04E+08
SAMPLE 1 188	PRESSURER 1	SIZE	~ 4

:																			
CAL FACTOR!	P (48) 549.3	ALT (KM)	6.873		TEMP (C)	-15.1		FROSTPOINT	-16.3		TAS (M/S)	131.2		NT (N/HE)	1399402.6		TOTALS	4.62E-81	139
DISTUNCE: 160 FT	PRCIO PROBE	2.17E+94			•	•		9.			•			•	•	•		1.3611	101
DISTAN	ST7E	3	647	116	1241	1536	1815	2132	5459	2726	3023	3720	3617	3914	4211	4508			
HZO FLOW RATER 20 GPM	C, 000	6.285+47	3.525+67	1.766+67	8.415+06	4.312+06	2.145.466	1.215+66	3.302+05	2.37E+65	1.435+05	1.256+65		2.3 7E+C4	4.135+64	3.705+04		7.47E-01	107
FL OW R	ST2E (+U)	23	*	9	9	217	122	145	161	191	ť;	1.7	2+1	26.0	2.9.9	300			
	SCATTER PROBE	7.46£+08	2.13E+09	6.72E+09	9, 90€+09	8.74E+09	6.45E+09	5.79E+69	4.33E+09	5.17F+09	3.05c+09	2.52E+09	1. 44E+69	1.08F+09	5.79E+08	b. 34F+08		2.24E-01	20
PRESSURE: 19 PSI	SIZE	~	•	•	•	9	12	3	91	91	20	22	54	56	23	30		3	4ED D
9:0																			
CAL FACTOR:	P (MB) 549.3	ALT (KM)	4.873		TEMP (C)	-15.0		FROSTPOINT	-16.3		TAS (M/S)	171.6		NT (N/HT)	1077528.2		TOTALS	5.515-01	121
DISTANCE: 100 FT	PROSE PROSE	2,285+94	•	-		•	•		•	•					9.	•		1.50E-31	101
DISTA	S12E	4 04	2 49	776	1241	1938	1835	2132	5429	272€	3323	133	1617	3914	4211	4506			
NE 1 20 634	C_040	b.26c+07	4.562+07	2.475+17	1.1 35.46.7	5.2 JE+6 F	2.535+06	1.12E+06	5.925+65	1.57E+05	1.140+65	9.	3.495+4	3.395+64	4 )+262.4	4.395+04		4.021	100
HEO FLOW RATER 20	312E ('W)	23	£ \$	62	8.	102	122	142	191	191	102	121	241	260	39.0	35.0			
PRESSURET 18 25T H20	SCATTEP PROBE	1. 84E+88	5. +3E+18	1.495+69	1.36 E+49	9.10E+08	7.45E+0A	5,35€+08	3.495+68	4.45E+08	2.15E+08	1.32E+09	1.32E+08	8.34E+07	6.26E+07	7.65E+07		2.00E-02	19
SURE	SIZE (HU)	~	•	•	•	70	21	<b>1</b>	16	1.8	2	22	54	56	23	2		Ę	ME3 D

•	:		
<u>د</u> 2	CAL FACTO	P (#8) 549.6	
V AFGL COND AVERAS: /Hets-44)	CES 100 FT	PRECIP PROBE	
TEST 8 1 \$E 1561354 (NUMBER	DISTAN	312E (MU)	•
9 AFT2 ICING SPRAY TEST BY AFGL F.IGHT EF9-04 ON 24 JAN 79 1 SECOND AVERASING ATTREMEL STT 10-2015635* PARTICLE STTE DISSAFING (MUMBER/M**3-M4)	TET 20 FPM	5,000 P203E	
AFFT5 14TERV 14TERV 15 STTE DI	20 FLOW RA	STZE (40)	;
F.IGHT EI PARTICE	2h 15c 07	SIZE COATTER (MU) PROBE	
SAMPLE: 189	PRESCURE	\$12: (MU)	•
	0.0		
ç	PRESSURE! 1J PSI 420 FL)M RITE! 23 GPM DISTANCE! 100 FT CAL FARTOP! 8.0 PRESSURE! 10 PSI 420 FLOW RATE! 20 FPM DISTANCE! 100 FT CAL FACTOR!	7 (48) 549, 3	***
AFFIC IDING SPRAY FEST BY AFGL FLISHT ET9-04 DN 24 JRN 79 I SECOND AVERAGING TYLEKALL STRIFFSDES6623* PARTICLE SIZE DISTRIBUTIONS (NUMBER/M**T-44) TYPER RAIN	ICE 1 100 FT	PROSE	1227 F 10 F 1
TEST (1561234 (NUMBE)	DISTA	SIZE (MU)	•
IDING SPRAV 24 JAN 79 AL STARTI#20 STRIGUTIONS YPE: RAIN	TEI 23 CPM	3,0J3	, , ,
OFFTO OF ON TATERY SIZE DI	FL)W R1	\$125 (40)	;
9 FLISMT E79 PARTICLE	Ožh ISe r	SCATTER PROSE	
SAMPLES 189	PRESSURET 1	377S	•

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CAL FACTORS	P (#8) 549.6	ALT (KM)	4° 96 8	TEMP (C)	-15.2	;	FROSTPOTHT	-16.2	;	TAS (M/S)	131.5		NT (N/KE)	722312.2		TOTALS	1.88E-81 114
DISTANCES AND FT	PRECIP PROBE	1.49E+13	1.54E+31 n.	: -	•				•			-		•	•		1.89E-82 \ \
DIST	SIZE (MU)	104	64.7 4.4 4.4 4.4 4.4	1241	1538	1815	2132	2429	2726	3023	3320	3617	3916	4211	4508		
420 FLOW RATER 20 FPM	5,030 P203E	3.2 3E+67	1.845+67	4.98E+C6	1.7 2E+06	1.16E+06	7.37E+05	1.465+05	2.10E+05	8.39€+04	6.30E+84		7.50E+03	1.50E+84	1.34E.64		1,77E-01 109
FLOW R	STZE (40)	5	~ ¢	<b>6</b> 0	102	122	145	161	191	201	221	24.1	260	280	300		
	SCATTER PROBE	5.716+08	1.45E+09	6.73E+09	5.87E+03	4.54E+09	4.048+09	2. BJE+09	3.176+03	2.25E+09	1.86E+09	1.12E+09	6.61E+08	4.24E+08	4. 38E+08		1,55E-01 20
PRESSURES 10 PST	\$12. (MU)	~	at vo	•	3	12	<b>:</b>	16	91	82	22	<b>5</b> .	56	<b>58</b>	30	,	NED O
9.0																	
CAL FACTORE	7 (48)	ALT CKHI	4.673	TEMP (C)	-15.0		FROSTPOTWT	-16.3		TAS (M/S)	131.5		NT (N/N3)	2294143.8		TOTALS	5.13E-81 104
DISTANCES 190 FT	PRECIP	1.37E+13	1.54E+71		;	•		•		•	÷	-	-		•		9.646-83
DISTA	SIZE (MU)	# (	, 4 4 5 6 6	1241	1538	1035	2132	2429	2726	3023	332C	3617	3914	4211	4506		
ITE1 23 GPM	3,043		5.96E+07														5.03E-61 103
420 FLIW RATE! 23	\$12E (40)	23	£ 6	2 9 9	102	122	142	191	181	201	221	247	36.	280	362		
	SCATTER PRO 9E	1.32E+08	5.85€+68	2,125+09	2.00E+09	1.036+09	9.81E+08	6.542+08	9.60E+08	5.43E+08	3.27E+08	1.95E+08	1.11E+08	4.87E+07	1.185+68		3,55E-02 19
PRESSURET 13 PST	SIZE	2	<b></b>	•	97	75	<b>1</b>	16	13	59	22	*	92	58	=		

the first of the first state of the second second

98.19	CAL FACTORS	5.6.5 549.9	ALT (RR)	TEMP (P)	-15.4		1405170141		145 (11/5)	131.2	MT (M/MT)	2313255.2	:	TOTAL S	183			erac.			CAL FACTORS	D (MR)		ALT (KH)	. 966	TEMP (C)	-14.5		1 1041 CD 1		TAS (M/S)	132.3	******	1000016.1		TOTALS	2.986-81 124
.ST BY AFGL 1 SECOND AVERAGING 1135 - HBER/M**3-HH)	DISTANCE: 160 FT	PRECIP	1.726+33	•		•		: -		4.	• ;			. 245-19	1111	•	AY AFSL	1 SECOND AVERAGING	(7#- 2 + e # / e	:	DISTANCEL 100 FF	PRECIP	1	3.776+13	1.548+11		•	<b>.</b>		: -	•						20 - 20 to - 2
1 56 1 56 156133	01574	\$12t (4U)	33	3.0	1536	1835	2612	2726	3623	132	101	4211	4508				TEST A		.621961C		DISTA	SIZE	Ē	*(3	7 7 6	1241	1538	1835	2420	2726	3023	3320	2017	4211	450 R		
AFFT TOTMS SPRAY TEST BY AFEL FLECHT E79-84 ON 24 JAN 79 1 SECOMB AMER TARTY-281561349 PARTICLE SIZE DISTREBUTIONS ANUMBERATORS TYPES RAIN	HZO FLOW RATE! 28 GPM	CL 040	8.312.07	3.185+07	7.34E+65	3.57E+CE	0 2 4 2 2 2 3 3 4 3 4 3 4 3 4 3 4 3 4 3 4	7-105+05	514328*2	1.386+63	5.21EFT 6	1-175-6	9.515+13		162	!	SFFT ICING SPRAY TEST BY AFSL	F_IGHT E79-84 0W 24 JBN 79 1 SEC		TYPE RAIN	M20 FLIW RATER 18 CP4	2,043	: 60 77	7.2 2E+ £7	2,755+67	5.475+15	3.226+16	1.71E+(5	0.74E+1.9	2.35445	5.59E+t+	1.255+15	3.656	6.395+6.4	3.312064		2,55E-[1 115
14-FT	FLOW R	\$125 (40)	2.3	62	102	227	2*1	35	201	\$23	1 7	, E	2				1567	AC 70-	1 41 ER	:	FL)W R	3175	=	.3	# 4	3.2	117	122	1 4 2	16	107	72.7	4 6	300	5		
FLIGHT E79. PARTICLE		SCATTER PROBE	8.37E+38 2.28E+89	6.66E+09	1.07E+10	7.48E+09	6.46E463	5,16€+09	3. 385+99	2.87E+03	1,305+69	5.65E+48	7.335+08		1992565	;		F. IGHT E79.	9401111			SCATTER	36075	4.77 £+08	1.678+09	7.635+09	6.11E+03	4.69E+49	3.788+09	3.09E+09	2.13E+09	1, 72E+89	1.135+09	2.565+08	3.748+08		1.48E-01 20
SAMPLE: 188	PRESSURER 18 PST	SIZE	<b>6</b> 10	۰۵۰	n ca	15	<b>2</b>	2 2	20	25	32	2.5	£	9	2 C		SAMPLE: 189				ISc CT 12anSS3bc	5125	6	~:	. <b>9</b> ų	•	` 3	27	2 .	9 1	07	22	<b>1</b> 2	0 en 2	; ₽		LINC MED D
	•																				9.0																
98	CAL FACTORS	P (MB) 549.7	ALT (KM)	47.1	-15.2		FROSTPOTNT	3 • 0 7	1 AS (M/S)	131.0		1751395.9		TOTALS	3.6/2-91	•		INS			CAL FASTOR	(MB)	549.9	ALT (KH)	4. 964	TEMB (E)	-15.	1	FROSTPOINT	2.41.	TAS (M/S)	131.0		1796696.1		TOTALS	4.70E-01 110
ING SPRAY TEST BY AFGL JAN 79 1 SECOND AVERAGING SASTATI-SIRSE 134 IBBFIONS (MUMBERAFORS-MM) RRIN:	JISTANCER 188 FT	PRECIP PROBE	2.93E+53		•		<b>.</b>			•	•	•		:	1,995.12	į	RY AFSL	1 SECOND AVEPAGING		(Kun Saak/k	DISTANCES 120 FT	ORECID	36 Cad	1,375+13	1.546+31	<b>.</b>		•					9.			}	9.67£-13 411
1651 8 1 36 1561354 (NUMBER	01514	SIZE (MU)	494	716	1241	1635	2132	6242	1023	3326	3617	1166					1531		156137	# F F	01514	3712	ŝ	4 64	2 19	3 46	1538	1635	2132	9242	3023	₹32₽	297	3916	1 20 3		
ICING SPRAY TEST BY AFGL. 28, JAN 79 1 SECOND AVER AL SRAYTI-SENSESSS. ATTENDITIONS (MUNGER/Me-83-M4) PPES RAIN	TES 28 GPM	3602d	4.775.07	1.775+07	6.7 95+05	2.27E+16	1.275+00	4.155.455	3.525+04	9.485+04	7.175+64	5.39E+F4	7.715.64		3.+7E-61	717	LEST ABOUT TEST BY AFGL.	62 NET 92	AL STARTE# 22 6561 37#	I'ME DISTRIBUTIONS (NUMBER/METS-NA) IYDER RAIN	MC3 62 1311	2,303	360≥a	5.175.67	4.246+67	2.475067	5.3 77+66	2.7 vE+06	1.515.465	7.565405	3.165405	1.935.65	7.425.04	3.36566	1.1656		50E-01 103
4FFT3 IG 10 24 1 TTERVAL SIZE DISTA	FLOW RATE	\$12E	23	2	25	122	2	191	7 0	22.1	34.2	9	9 6	;			1231	, NO 40	ITER	10 3415	FLOW PATE	3115	5	23	7	6. 6	183	122	142	191	201	22.1	241	253	2 2	•	
FLIGHT E79- PARTICLE	9SI 420	SCATTER PROSE	7.27E+88	6. 18E+09	8.71E+09	6.3154.9	5.145+89	4.17E4u9	40.400.40	2.555+09	1.475.09	1.036+03	4.34E440	00.176.00	2.1+6-61	02		FLISHT E79-04 ON		PERTICLE	OZH ISc B	SCALTER	9R08E	7.196+08	2.12E+09	5.64E+09	1.016+10	8.416+09	7. 68E+C9	5.91E+09	6. 49E+03	3.60€+09	2.46£+09	1.652+09	7.405.405	4.075.03	3.16E-01 20
SAMPLE: 169	PRESSURE: 18		N 4									52	80 °	7	S C	MED D		SAMPLET 185			PRESSURE 10	2215	(CM)										*2	92	58	•	200

:

98 11	CAL FACTOPE	F (MB) 551.5	ALT (KIN)	f. 043	TEMP (C)	2.2	:	FROSTPOINT	-35.4		(43 CH/5)	162.5	NT CH/M31	1485718.7		TOTALS	3.685-61	111		ING			CAL FACTORS		P (%B) 551.4	ALT (KM)	4.845	TEMP (C)	-27.9		FROSTWOTAT	****	TAS (M/S)	125.3	MT CH/MES	1454865.5		3.4.3E-01 1.06 1.06
87 AFGL ECOND AVERAGE R/H++3-84)	DISTANCES 108 FT	PRECIP PROME	3.18E+8 ;	1.625+91		•				<b>.</b>	<b>.</b>						Z. 16E-32	;		I SECOND AVERACING		R/H++3-H4)	DISTANCE AND FT		PRECIP PROBE	1.795+33	3,236+61		-	•	<b>.</b> •		•			:	:	1, 32E-82 4.15
V 7EST 1 3 1119132 (NUMBE	01574	\$12E (MU)	7 67	*		2 2 2	1835	21 32	6242	2726	3463	336	4 10 1	4211	4588				,	- 62 -	1119133	AC AC	0.75.74		\$12£ (40)	101	3	1241	1538	1835	2512	2726	3023	3320	400	4211	1518	
AFFT [CIME SPRAY TEST BY AFEL F_IG4T E79-05 OV 25 JAN 79 1 SECOND AVERAGING TATER STATE ST	H20 121 441E1 20 6PH	CL003	5.83£+07	3.576+67	40 + 10 0 + 1 40 + 1 + 1 + 1	105476	2 · 44E + 0 6	7.42E+05	5.76.485	2.205+65	4 J 4 H 1 - C	1.322.485	404.00	6 - 59E+14	4 0 0 0 E + 0 +		3.476-01	103		THE TOTAL DEVINE THE BECOME A	T4TE44A, START8#21819833#	JISTAIBUTIONS (NUMBER/NOO3-MA) TYSE RAIN	MOD 60 1212 8 10 10 10 10 10 10 10 10 10 10 10 10 10		CL DUD P 2 OBE	5.625+67	3.995+77	726+66	5.20E+66	2+32E+06	3.595+05	3.35.05	1.205+05	3.348.4	2.2654B4		4.95£+83	3.78E-61 184
144 141 141 1512 1512	FL34 :	ST ZE (41)	23	7 1	2 6	1 2 2	721	7.5	191	<b>1</b>	100	77.		296	336				į	NC 57-	TATE				SIZE	23		-	102	122	241	181	231	227	7 2	29.5	300	
16C F_1G4T £79-05 OV 14T-		SCATTER PROBE	6.59E+08	1.966+03	9.437.409	A. ALF +00	7.135+69	6.30E+09	4.15E+09	4.95E+39	D 2 4 1 5 1 6 7	2.44F409	1.585+12	8.25E+18	9.86E+08		2.67	12		8C FLI34T £79		SARTICLE SIZE			SCATTER PROBE	3.586+08	1.405+09	5.30£+19	3.335+09	2.94E+09	6841/4.2	1.99E+09	1.55€+69	1.12E+09	5 B 7 + D 8	2.565+08	2. +1E++8	1.01E-01
SAMPLE 8 1	8.6 PRESSURER 10 PSI	SIZE	8	.* •	0 <	. 5	12	: #	3	<b>78</b>	2	3 6	;	52	c,		<u>.</u>	#ED 0		SAMPLE 180			A. D. DOESCHIPES AN DEF	1940cc34 0 00	SIZE	2	* 4	• •	10	15	= -	25	20	22	3 %	<b>6</b> 2	30	LNC
9 X I.	CAL FACTOPS	P (MB) 351.5	ALT (KH)	4.843	Leve CC	0 10 L	6 6 7 3 -	FROSTPOINT	-32.3		TAS (M/c)	165.1	17 VA/421	1638 131.6		TOTALS	2.04E-01	100		SMI			A FACTOR		P (MR) 551.6	ALT (KM)	4.842	Temp (C)	-27.9	!	FROSTPOINT		TAS (M/S)	125.2	WT 14/47)	1453962.3		3,26E-01 3,26E-01
JING SPRAY TEST BY AFGL JAN 79 1 3 ECOND AVERAGING 27 TET 1 = 22 1191319 . 21 BUTTON'S (NUM PE 2 / M = 0 + 141) ET RAIN	DISTANCES LOB FT	PRECIO P209E		•	<b>.</b>						ė.	÷.	•	• e				6		COING SPRAY TEST BY AFGL 25 JAN 79 1 SECOND AVERAGING		N/Kee 3-A4)	ATSTANCE LAN ET	100	PRECTO PRO PR	1.015+91	1.62E+01		: 3	•	ė,		÷	į.	• •	::	:	7.50E-04 633
1 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	01574	SIZE (MU)	101	740	***	1471	1835	2132	5429	3776	3,23	3321	100	6211	4518					1551	1119131	NO NO NO NO	47.570	7.516	SIZE	101	4,	2 6 7	1538	1835	2132	2726	1023	3320	100	4211	4508	
18425	44128 28 6PM	3602d	4 7 2 + 6.7	3.116+67	1.136+67	9745474	1.2254.6	6.16:485	1., 7E+05	20-85-15	3.725+64	3.715+64	3 - 555 - 64	•			2.145-41	103		U COING SPRAY TEST BY AFEL 25 JAN 79 1 SECOND A	VA. STARTE	DISTAIBUTIONS (NUMBER/MERS-RA)	A00 00 00110		51.903 **39E			114361								•		3,25E-01 131
14FFT3 14TEWA 14TEWA 17 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	FLOW	SIZE	10	P)	2.5	2 6	2.2	142	191	191	201	221	* *		300					71314 70 51-6	AYETH1	1216	3		S1 2E	22	3	20								302		
180, 1817 1918 10 78-812 1451.7 10 78-812 1451.7 10 78-17:17:17:17:17:17:17:17:17:17:17:17:17:1	18 ost H20	SCATTER PROPE	1.015+89	3.186+09	7.665409	1.22.419	1-045-10	7.775+89	4.35E+19	5.365+13	4.125+63	3. 27E+03	2 436409	1.1254.9	1.295+09		3.31£-91			180 FLIS41 279-15 OV		PARTICLE	120 87	ī	SCATTER PROBE			# 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								1.275 +09		3.56E-#1 0 22
SAMPLE 1	PRESSURE1 18	SIZE (MU)	~	.•	••	• •	9 ?	1 1	16	27	2	22 7	*7	B . C	2		Š	WED D	į	SAMPLEI			* * * * * * * * * * * * * * * * * * *	14531045	S12E	^1		۰ «	97	15	<b>:</b> :	61 10	82	27	\$ 8	582	ድ	200

SAMPLE: 18C AFFIC ICING SPARY TEST BY AFGL F.164T E79-85 ON 25 JAN 79 1. SECOND AVERAGING TO THE STATE SAMPLE 18C AFFI IGING SPRAY FEST BY AFGL F.IGHT E79-85 ON 25 AM 79 I SECOND AVERAGING INTERPRESSIVE STATE-SITE STATE STATE-SITE STATE STAT

: CAL FACTORS TOTALS 6.73E-81 114 FROSTPOINT -\*2.5 ALT (KM) TENP (C) TAS (M/S) 126.0 NT (N/ME) F (MB) \$51.5 DISTANCER 198 FT 2.585-92 3.82E+13 PRECIP FLOW RATES 28 GPM 5. + 85-01 111 CL003 \$12E りゅうしょ すしょうしゅう かんしゅう りゅう ちょうしょう しゅう りょうしゅう かんしゅう ちょう こうごう とこと しょうしょ CAL FACTORS 8.0 PRESSURES 10 PSI 420 2,19E-01 21 SCATTER PROBE 3364233441 3364233441 1074LS 4.88E-01 127 FROSTPOINT -32.4 NT (N/ME) 1613832.0 P (MM) 351.4 ALT (KH) TEMP (C) -27.9 TAS (H/S) DISTANCES AND FT 1.61E+74 PRECIO PROSE 3.322-61 106 4.992517 4.102547 1.102547 1.102547 2.00050 PRESSURE: 18 ST H20 FL3M PATE: 28 GPM 5.0J3 SIZE (MU) SCATTE2 PROBE \*\*\*\*\*\*\*\*\*\*\*

CAL FACTORE AFFIC ICING SPRAY TEST BY AFFIL FLISHT E79-05 ON 25 JAN 74 1 SECOND AVERAGING INTERNAL STRATE-PLIABIST\* PARTICLE SIZE JISTEBULIONS (NUMBER/NEWS-NUM) IYPER RAIN DISTANCES 108 FT FLOW RATES 20 GPM PRESSURER 18 PSI H20 SAL FACTORS AFFI 15146 SPAN TEST BY AFGL
F\_1547 E79-05 ON 25 JAN 79 1 SECOND AVERACING
I 4729-44 STATIO2119135\*
DARTICLE SIZE 71572180110105 (NUMBER/N\*\*3-NM)
TYDET RAIN DISTANCED ACO FT PRESSURER 13 951 H20 7\_34 RATER 20 GP4

SAMPLET 180

1.06E-01

:

70TALS 9.79E-81 FROSTPOINT -32.5 NT (N/N3) 2172356.2 TAS (M/S) 126.1 551.5 ALT (KM) TENP (C) 3.076-82 4.57F+83 1.61F+81 PRECIP PROSE 5.48E-61 187 CL 0U3 ST2E 1.845-01 SCATTER PROBE TOTALS 6.97E-01 113 FROSTPOINT TEMP (C) -27.9 NT (N/M3) 2699886.8 TAS (M/S) 125.1 ALT (KM) P (MM) 551.3 9.71E-02 1.48E+34 PRCIP PROBE ) (UP) 9.2046 11.2 5.00E-01 2,000 33,09E 3218 1.55E-01 21 SCATTER PROBE

SAMPLE 1 180

1,155-61

¥	CAL FACTORS	P (MB) 551.4	1777	1 4 4 4 E		TEMP (C)	-28.0		FROSTPOINT	-42.5		145 (A/S)	152.7	17.000 70	2+B6174.2		TOTALS	6.325-81	110		NG			CAL FACTORS	P (MR) 551.5	ALT (KH)	<b>4.8</b> 43	TEMP (C)	-56.0	FROSTPOINT	-32.5	145 (4/6)	125.6		7 ( K/ H 4)	;	R. 32F-B1	1 66
AFFF IGING SPRAY TEST BY AFFL 5 DN 75 JAN 79 1 SECOND AVERAGIMG INTERAL STATIVESTISHAD IZE SISPREBUTIONS (MUYBER/MARS-MAY)	DISTANCER 100 FT	PRECIP PROSE	2 44.6443	7.6.66.66					•		<b>.</b>	<b>:</b> .	:	•				1.556-32	66,	BY AFGL	1 SECOND AVERAGING	R/H==3-H4)		TISTANCES 100 FT	PRECIP PROBE	3.66E+04	• •		<b>.</b>			•			•		2.48F-11	404
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DIST	STZE (MU)	101	2	3 8	1241	1536	1835	2132	242	2726	3023	3520	100	4211	1208				v TEST		SULVE OF		11374	(UM)	4 64	7 7 7 8	1541	1536	2132	2429	3027	3326	3617	4211	4508		
TC ICING SPRAY TEST BY AFGL 4 25 JAM 79 1 SECOND AVER 25 JAM 79 21119189 01STRIBUTIONS (MUTREX/Mee3-MV) TYPE: RAIN	HZO FLJW RATES 20 GPM	CL 9UB PROSE			7.666467	1.525+07	7.455+46	2. 32E+F6	2.282+06	7.88E+C5	5-045-0	4 - 4 96 + 6 9	\$ 0 + 120 to - 1	1010101 2 101010	2.755+04	1.845+84		5.17E-01	108	AFFIC ICING SPRAY TEST BY AFGL	5 ON 25 JAN 79 1 SET	TAINCART STANTIONS (NON-BER/MARKET)	# 1 # Y	HED FLOW RATER 20 GOM	CL 3U3	29+302*6	3.615+67	1.465+07	7.295+06	1.595+06	7.375+05	3.596+05	3.885+04	1 - 10E+05	7.325+04	5.55E+04	5.916-61	109
AFFT OS ON INTER	FLOW	SIZE (MU)	ė	0 4	2	82	102	122	145	161	131	1	241		284	300				AFFT	NO 57	1415 C = 218		FLOW RE	SI 2E (MJ)	23	7 C	85	102	1 6 5	151	191	221	241	3 <b>9</b> 2	306		
FLIGHT E79-05 ON INTER SARTICLE SIZE D	10 251 H20	SCATTER PROBE	40.000	004105	4.575483	7.335+09	5.26.+49	4.27E+09	3.36E+09	2.53E+03	2.485409	1.345.409	1.53E+09	7.7.7.469	80+10+E	3.495+08	;	1.395-01	62		F_134T E79-35 ON	PARTICLE			SCATTEP PROBE	4.565+48	1.60E+44	7.85E+13	5.61E+09	3.176+09	2.25E+09	2.185+39	1.69E+03	1.10E+09	3.93E+08	3, 16E+08	1.42F-01	20
SAMPLE# 18C	6.0 PRESSURER 1	SIZE (MU)	•	<b>J</b>	.,	, en	7	75	<b>.</b>	91	<b>5</b>	3	22	***	2 %	2		2	MED 0	SAMPLE 1 180				6.0 PRESSURER 19 351	32 I S	Α1	+ 10	•	9 5	: =	97	2 2	22	₹.	62 52	39	9	HED D
\$ <del>1</del> 1	CAL FACTORS	P (MB) 551.6		645 ·	3	TEMP (C)	-27.9		FROSTPOTNT	-32.5		TAS (R/S)	155,6	16 M/M/ TA	2527609.0		TOTALS	5.86F-01	109		ING.			CAL FACTORS	P (4R) 551.5	ALT (KH)	4.843	TEMP (C)	-28.0	FROSTPOINT	-32.5	(3/8/ 3/1			2431065.0	i	TOTALS 6.15F-01	111
TEST BY AFGL 1 SECOND AVERAGINS 119138* (NU48ER/M**3-M4)	DISTANCES 100 FT	ORECIP PROBE		4 225433	70.000		: -		:	•	•		•	• •		: :		2.92E-12	P 13 P	BY AFGL	ECOND AVERAG			DISTANCE 150 FT	PRECIP PROBE	6.885+93	ę. c			• •						0.	4.53E-82	*0*
1 5 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DISTA	SIZE	•	3 3	i	1241	15.	1835	2132	5459	2726	3023	3326	195	121	153				Y TEST	1 3	11 14 13 34 (NOV BE		1210	S17E (MU)	101	54.7 96.4	1241	1548	2132	5429	2726	3326	3617	3914	4508		
AFFI: ICING SPGAV TEST BY AFEL ON 23 JAN 79 1 SECOND AVER NYEMAL STATT=21319139* ZE JESTRIGNS (NUTBER/M**3-MY) TYDEI RAIM	24TE1 20 6PM	CL 0UD P 2 0 9 E		3.705407	7 2 2 2 4 2 7	1 285 + 5 4	7.465	3.495+66	1.545+06	3.115+65	4.395+05	5.75.5	1 - 325+05	4 14 3ZE 4 1 4	100000000000000000000000000000000000000	3, 795+64		5.572-01	135		25 JAN 79	VA. STARTEFZITESSSF ISTRESUTIONS (NUMBER/Her3-44)	NTWY STATE	ATE 8 20 GPH	5_0U0 P 2 08E	3.235+17	3-145+67	1.245+17	7.55E+06	1.895+06	6.995+25	3.58E+05	2.315+65	1.105+05	3.59E+04	1.235+04	7. 69F-81	106
4FFT3 -85 ON 1NFFW S1ZE 3I	FC 04	STZE	;	3 '	*) (*) † v		102	122	142	151	191	201	221	7 + 7	200	90				AFFT	-0.5 ON	141 344 S		FL3W RA	SIZE	23	0 t	9 6	102	145	161	1 2	221	241	200	396		
18C F.164T E79~85 ON 2N1E: 3AQTICLE SIZE:	14 PSI H20	SCATTER	•	3,152+06	200 H 40 0 7	5.36F403		3.562449	2.98E+09	1.32E+09	2.19E+09	1.546+03	1.346+09	1.01E+09	204276	1.97E+66		1.135-01		1.80	F_164T E79-15 ON	PARTICLE		15c 01	SCATTE® 2208E	6.215+08	1.905+89	69-14-19	7.07E+69	5.38E+89	3.176+09	3.53E+03	2.53E+09	1.46E+09	1,195+09 6,21E+68	5.775+88	1.095-81	•
SAMPLES 1	PRESSURE	SIZE (MU)	•	<b>.</b>	•	o •	ģ	12	37	91	2	2	22	* ;		S E			0 Q3W	SAMPLE				PRESSUREI	SI 25 (HD)	~	e.		9	15	16	2 1	22	42	9 <b>6</b> 2	B	2	WED D

SAMPLE 1 18C AFFI CING SPRAY TEST BY AFGL F.1847 T. SECOND AVERAGING TALESTAL TARTICE 11191 640 PARTILE SIZE ) ISRIBUTION S (NUMBER/NOC3-NU) TYPER RAIN AFFI ICIMG SPRAY TEST BY AFGL FLISAT ETG-85 ON 25 JAN 79 1 SECOND AVERACING THIEVAL TEATI-PESSAGENCE PARTICLE SIZE DISFRABULTONS (NUMBER/M\*\*3-M\*) TYPE: AAIN SAMPLE: 18C

CAL FACTORS 8.8 TOTALS 6.145-81 108 F=OSTPOINT ALT (KM) TAS (M/S) 126.8 NT (N/HT) 2-05342-3 TEMP (C) -27.9 DISTANCES 188 FT 7.A2E+83 5.14E-12 484 CAL FACTORS 8.8 PRESSURES 18 PST HZO FLOW RATES 28 GPM 3.635-81 1.245-41 28 SCATTER 24385 TOTALS 4.13E-01 118 FPOSTPOINT -32.5 ALT (KP) 4.845 TEMP (C) TAS (M/S) 126.9 NT (N/HT) 1696115.7 P (MM) 551.4 DISTANCES 109 FT \$.575+33 3.215+31 PRECIP PROGE 3.92E-01 112 PHESSURER 13 PSI H20 FLOW 287EF 28 5PM 26046 37.78 9,65£-02 21 SCATTER PROBE

18C FISHT ETG-05 ON 25 JAW 79 I SECOND AVERACING FISHT ETG-05 ON 25 JAW 79 I SECOND AVERACING TATES TRESTREATIONS (NUMBER/NEWS-MH) TYPE RAIN SAMPLES SAAPLE 120
F\_1547 E79-\*5 10 25 48 79
I SECOND AVERACING TO THE STACE TO THE SECOND AVERACING TO THE SECOND TO

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	_																				
	CAL FACTORS	P (ME)	551.7	ALT (KM)	4.8.4		TEMP (C)	-27.9		FROSTPOINT	-35.4		TAS (M/S)	125.7		M7 (H/H3)	2385774.8		TOTALS	7.245-01	113
	OISTANCES 108 FT	PRECIO	P239E	2.485+34	•					<b>:</b>	:	•	<b>:</b>		÷	-	<u>:</u>	:		1.636-11	<b>:</b>
	01514	SIZE	35	;	1	446	1241	1538	1835	2132	2429	2726	3823	3326	1617	3914	4211	4 50 B			
MAN A TOA .	420 FLOW RATER 28 GPM	S.Judo	36C}d	1.640.64	5.115+67	2.3.5+67	1.252+07	7.136+66	3. +5£+66	1.825+46	3.39€+05	6.36E+35	1.585+65	1.985+15	7.325+64	5.13£+14	4 - 97E+84	4 3 + 3 5 + 6 4		3.516-81	189
-	\$5 ¥C7±	3718	Ē	<b>6</b> 2	*	3.6	32	132	122	2 • 1	161	191	201	221	247	253	961	300			
		SCATIFE	9873E	4.385+48	1.725+03	5.515+39	6.346.63	6.116+69	4.51E+03	3.472+89	2.472+69	2,645+83	2.185+69	1.316+69	1.325 +89	8.55E+#8	4.735+08	3.57E+18		1.545-81	21
	CAL FACTON: 8.8 PRESSURE: 18 751	S1 25	() H.)	~	.•	vo.	•	07	21	#	13	53	23	23	₹	23	25	ř		LNC	, MED D
		(alla)	551.5	ALT (KH)	6.843		TEND (C)	-27.9		F3 OS TPOINT	-32.4		TAS (M/S)	126.3	1	NT (EVH3)	2316739.2		TOTALS	5.206-81	113
	DISTANCER 188 FT	dICSbd	36020	5.835.13			•													4.49E-12	404
	21514	SIZE	(4:5)	4.54	547	446	1241	1538	1815	2132	2429	2776	4823	3326	1617	3414	4211	453.8			
MINY SECAL	TER 28 FOW	SLAUD	360≥€	3.535.67	3.215+67	2.555+87	1.115+67	5.662+65	2 . F 1 E + E b	1.965+16	3.586+65	3.286+15	1.496+65	1.547+35	1.195+65	3.955 01.0	1.375404	1.275+24		4.75E-61	105
٠.	HEO FLOA PATEL	37.18	3	23	M1	5.5	95	182	123	241	151	181	201	223	24.5	75.7	286	305			
		SCATTER	38026	1.615+38	8-91E+65	2.575+53	2.32:+63	2,255 489	1.615+63	1.25:+83	1.375+89	8.78E 0.8	7. 145.08	6.32E +0.8	2.4 3E+8.E	2.25F+88	1.195+38	9.175.40		4.854-62	82
	PRESSURES LU PST	2175	(141)	•			•	1	2	: =	: <b>:</b>	5	2	2		, <del>2</del>	3 2	: =	3	3	MED D

こうの のからの 日本の人をを表する 一下 日本なるのは、高級的ないのです。

SAMPLE: 10C & REFF. COING SPGAV TEST BY AFGL INTERPRESSION AND TO 13 ECOND AVERAGING INTERPRESSION STATEMENT STATEME SAMPLE: 107
F.164T E79-05 ON 25 JM 79 1 SECOND AVERATING
THTS-14, STATIFS110146
->ARTICLE SIZE JISTABLING (MUMBER/MOTS-MU)
TYPE: RAIM

: CAL FACTORS F # 0 \$ TP 0 I WT -32.3 TOTALS 6.61E-81 112 4,17 (808) TAS (M/S) 127.1 7EMP (C) -28.8. HT (M/HT) 1320419.7 DISTANCE : 130 FF 4.18E+83 2.886-32 FLOW PATER 28 GPM 107-325-61 CL00J PERTURBATION OF THE STATE OF TH 9.59E-02 19 SC477E2 220BE 6.8 PRESSURER 18 251 433523255 TOTALS 6.57F-81 129 F30STP01WT 75-45 (C) 145 (M/S) 126.8 NT (N/H3) 2156889.9 ALT (KM) DISTANCE: 188 FT 2.285434 PRECIP \$12E 5.[7E-81 185 FLIM RATES 29 GPM S17E PRESSURER 13 751 H20 1.395-81 \$5487£8 \*\*\*\*\*\*\*\*\*\*\*\*\*

CAL FACTORS ALT (KCH) DISTANCES 188 FT 1.625+83 PRECIA FLOW RATER 28 GPM 21.0U0 8.8 PRESSURER 13 PSI H20 SCATTER PROPE CAL FACTOPS DISTANCEL 130 FT PRECIP FL3M &&TE1 28 GPM SCATTER PROBE PPESSURES 18 =51

SAMPLE: 18C AREL FOLMS SPRAY TEST BY AFOL E.1647 279-85 ON 25 JAN 79 1 SCOMD AVENGING INTEST BY SPACE STATEST SPACE STATEST SPACE STATEST SPACE STATEST SPACE STATEST SPACE STATEST SPACE SATEST SPACE S

107ALS 4.46E-01 182 FR057P01#T 7AS 6H/S) 126.9 HT (H/H3) 1951 820.4 TEMP (C) -28.0 9.98E-03 9.17E+37 5.87E+67 2.37E+67 1.636-81 FROSTPOINT -32.3 TOTALS 3.65E-81 186 7.85 (M/S) 126.9 NT (N/H3) 1582369.9 7EHP (C) ALT (100) 1.69E-83 533 2-10E+91 3-23E+11 3.54£-81 185 思りますですることではおえことののこれを見る 自然の かいごう 自然 でいっこう はいいい こうしょう しょうしょう ちょうしょう こくこう ごうきょうしょう 

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SAMPLES

105
F\_LIST ET9-5 ON 25 10N 79
1 SECOND AMENING
THECHAL START (\*21119147\*\*)
\*\*ANTOLE STEE DISSALMS (WUNDER/MOS)-MH)
TYPE: RAIN

SAMPLE: 18C | RPFES ICING SPRAY TEST BY AFEL FLIGHT EP9-85 DN 25 JAN 79 1 SECOND AVERAGING INTERPRESENCE INTERPRESENCE OF STREEDITIONS (NUBER/MO+3-M4) TYPE: RAIN SAMPLES 18C FIEGAT E79-85 ON 25 JAN 79 1 SECOND AVERAING INTEGRAL STATIO-2112950\* ANATICLE SIZE DISFRIGHTIONS (NUMBER/MOT3-MH)

.. CAL FACTORS TOTALS 9.46E-01 118 FROSTPOINT -32.1 TAS (M/S) 127.7 TEMP (C) -28.2 ALT (KM) NT (N/N3) 2144116,7 DISTANCES 100 FT 4.75E+93 3.17E+81 SIZE (MU) CAL FACTOR: 8.8 PRESSURE: 10 PST M20 FLOW RATE: 28 GPM 5.17E-01 112 CLOUS PROBE 2.96E-61 9597496777588 TOTALS 4.215-91 FROSTPOINT -32.2 TAS (M/S) 127.2 NT (N/H3) 1701241.7 ALT (KH) TEMP (C) -28.1 1.545-32 DISTANCES 138 FT 2.248+33 PRECIP FLOW RATE & 20 6PM 9.476.87 1.146.68 1.146.67 1.146.69 9.146.69 9.146.69 1.246.69 1.366. 4.15E-61 106 21.0UD H20 6.52E+89 1.63E+09 6.48E+89 9.18E+09 2.245-01 26 SCATTER PROSE PRESSURER 18 351

AFFIZ TOTNG SPRAY TEST BY AFGL
F\_IG4T E79-35 ON 25 JAN 79 1 SECOND AVERAGING
INTERAL STRATE-214191530
PARTICLE SIZE DISTRABUTIONS (MUNDER/MONT-HY) SAMPLE 1 180 SAMPLE 180 F.134T F79-75 DW 25 DW 79 1 \$500MD AVERAGING INTERAL STATIOF1119151\* PARTICLE SIZE DISTRIBUTIONS (MUNER/H+++3+4+)

. CAL FACTORS 3.95E-01 FROSTPOINT -32.8 TENP (C) -28.2 TAS (M/S) 128.8 MT (M/83) ALT (KH) DISTANCES 100 FT 2.45E+83 1.97E+31 PRECIP PROSE 8.0 PRESSURER 10 PST MZO FLOW RATER 20 GPM 7.78E-81 187 SL003 \$12E (49) 1.56E-01 21 SCATTER PROBE SAL FACTORS TOTALS 4.54E-01 112 FROSTPOINT -32.2 TAS (H/S) 127.6 ALT (KH) NT (N/H3) 1876151.2 TEMP (C) -28-1 DISTANCE & 150 FT 7.72E+13 PRECIP のです とほどのらび います とりかりい おくしょう こうこうごう こくよく ヤヤトロ かかん とまた ちょう しょう ちょう ヤヤ とく とくこう こうしょう しょう しょう しょう しょう しょう しょう しょうしょう しょうしょう しょうしょう しょうしゅう 55-125 56-125 6.63E-01 163 FLOW RATER 20 6PM 0.0J SIZE PPESSUPER 10 ST 420 20.24 20.24 10.04 10 SCATTER PROBE 2.93E-81

SAL FACTORS FROSTBOINT -31.8 ALT (KM) TEMP (C) -28.2 TAS (M/S) 170.3 NT (W/H3) 2470233.4 P (MB) 556.5 C AFF. ICING SPRAY TEST BY AFG.
FLIGHT E79-05 JN 25 JNN 79 I SECOND AVERACING
INTERVAL STRETT-21119156\*
DARTICLE SIZE DISSTRBUITONS (NUMBER/M\*\*3-MM)
TYPE: RAIN DISTANCES 140 FT 5.62E+13 PRECIP CAL FACTOP: 8.0 PRESSUPE: 10 PST 420 FLOW RATE: 20 GPM CL003 3218 SCATTE? P23BE SAMPLE: 180 FROSTPOINT TAS (H/S) 129.4 TEMP (C) -28.2 NT (N/M3) 2715671.3 P (MB) ALT (KH) 4.59E+33 PRECIP PRO9E DISTANCER 100 SIZE (MN) FLOW RATES 20 GPM 0,033 P209E SIZE (MD) H20 2.33 4.12 4.12 4.12 4.13 SCATTER 2209E 15c 07 SIZE PRE SSURE 972444672288

AFFI E79-45 ON 25 JAN 79 1 SECONO AVERAGING INTERVAL STATE-21119157\*
PARTICLE SIZE DISTERULIONS (NUMBER/M\*\*3-MM)
IYDER GAIN SAMPLE: 183 AFTO TOTAG SPRAY TEST BY AFGL
FLISHT E79-55 ON 25 JAN 79 1 SECOND AVERACING
INTERVAL STRATIGHS 199155\*
PARTICLE SIZE JISSERBING (NUMBER/MW) TYPET RAIN SAMPLES 18C

TOTALS 6.78E-01 119

3.63°-12

5.39E-01 114

2.57E-01

LWS MED D

T0TALS 7.19E-91

3.095-32

5.69E-61

198

CAL FACTORS TOTALS 6.06E-01 120 TEMP (C) FROSTPOINT -31.6 TAS (M/S) 130.4 NT (N/H3) 2241454.0 ALT (KH) 4.653 P (MB) 550.7 SISTANCES 100 FT 8.94E+33 4.66E+11 6.07E-02 PRECIP PROSE SIZE (NU) 8.0 PRESSURE: 10 PST HRU FLOW RATE: 20 GPM 9. competent of the com 5.25E-01 120 3\_003 P₹09E SIZE (40) 7.12E+09 1.95E+09 5.52E+u9 2.91E-01 21 SCATTER PROBE SIZE (MU) CAL FACTORS 107ALS 8.50E-01 115 FROSTPOTNT -31.9 1AS (M/S) 129.6 NT (N/M3) 3368387.9 9 (HB) 550.5 TEMF (C) ALT (KM) DISTANCER 139 FT 7.22E+93 7.12E+91 1.64E+91 5.09E-02 411 PRECIP PROSE S17E 43 t 54 7 94 t 11241 11538 2138 22728 33828 33828 34814 4511 PRESSURER 19 PST HZO FLOW RATER 20 GPM 1.235+18 9.635+07 4.515+07 1.945+07 11.000 13.772 13.772 13.772 14.772 14.772 15.772 16.772 16.772 17.772 7.99E-61 109 CL0U3 SI ZE (49) のおうをする しょってつ ごうとく じゅうりょう しゅう ちょう ちゅう ちゅう ちゅう ちゅう ちゅう ちょく とんごう こうごう きょうきき 6.996.ed 7.996.ed 7.996. 2.12E-01 SCATTED

	CTO*: 8.8	£.	£	23	2	•		TMT			2		•	=	•	•			124
9119	CAL FACTORS	P (#8)	ALT (KM)	4.853	TEME (C)	28.2	}	FROSTPOTH	-31.5	!	TAS (M/S	130.0		TH/M1	2147766		TOTALS	6. RAF - R 1	}
TEST BY AFGL 1 SECOND AVERACING 28188* Number/W**3-M4)	DISTANCER 188 FT	PRECIP	5.47E+83	3,115+31										: -			;	4.38E-92	407
Y 7237 1 5 1428163 (NUMBE	DISTA	(UM) 3212	40	1 1	1241	1530	1835	2132	62%	2726	3023	3320	3617	3 1 5 2	4214	4508			
AFFICITION SPRAY TEST BY AFFIL FIGHT E79-05 ON 25 JAN 79 1 SECOND AVER INTERNAL STRATIFERS 03* PARTICLE STEE DISTRIBUTIONS (NUMBER/M**5-M*)	MZO FLOW RATES 23 GP4	CL040 P 209E	9.285+07	2.91E+£7	1.395+1.7	7.765+66	4.095+66	1.52E+C6	8.355+65	5.84E+C>	3.762+#5	3.182+05	1.425+15	1.175+65	3.775+34	5.315.04		5.445-61	118
48 50 50 E 171 E 171 S	FLOW :	SI 7 E	£ .	9 (4	92	102	122	1+2	161	191	291	271	241	202	285	100			
18C F.IG4T E79 PARTICLE		SCATTER PROBE	7.575+08	6.34E+09	9.525+39	8.48E+09	7. u9r.+89	5.79E+69	4.31E+69	6.74E+69	3.31E+09	3.31E+09	2.27E+09	1.735+69	7.635+38	8.57E+08		2.69E-01	21
SAMPLEE	8.0 PRESSURER 10 PSI	SIZE (MU)	~ 3	* 10	•	=	21	<b>.</b>	15	18	67	22	<b>5</b> 2	56	29	2		LNC	uen o
ING .	CAL FACTORS	P (#8) 550.5	ALT (KM)	6 6	TEMP (C)	-28.1		F-20STPOINT	-31.7		TAS (M/S)	130.0		EM/M3)	2182892.0		TOTALS	5.46F-01	104
PRAY TEST BY AFGL 9 1 SECOND AVERAGING 1021119153 0 ONS (NUMBER/M®+3-HH) M	DISTANCE 1 100 FT	PROSE	3.602-93	0.035431	:		•	:	3	•	:	;		:	•			2.63E-02	415
PRAY TEST BY AFGL 9 1 3=COND A 1+21119153+ CMS (NUMBER/W*+3+	01514	SIZE (MU)	3;	3 3 6	1241	1536	1035	2132	5429	2726	3023	3326	1617	3914	4211	4508			
いったにゅ	AT: 1 20 6P4	36000	1.355+0.8	2.975.6.2	1.+22+17		•	7.585+66	5.166+05	1.865+65	3.476+65	1.596+05		4.495+84	2.8.E+f.4	2.052+64		5.19E-£1	101
AFFT 1813-8 1813-8 512E 3	M20 FL3W RATER 20	3126	23	2 42	95	102	122	142	101	191	231	221	2.4.2	266	2 > 0	306			
OC PETCH E79-05 ON 23 JAN INTERNET PARTICLE SIZE DISKREUGH 24 AL		SCATTER PROBE	4.795+68	6.795+09	9.04E+**	7.385+89	5.935+09	60+368.4	3.556+69	3.965+43	2.775+03	2.53€+09	1.76E+89	1.25E+03	5.285+08	5.346+08		2.115-01	57
SAMPLE: 16C	PRESSURER 10 PSI	SIZE	<b>6</b> 1 4	• •	•	7	21	<b>*</b>	2	21	2	22	₹	52	<b>58</b>	<b>*</b>		2	MED D

SAMPLE: 18C AFFICING SPRAY TEST BY AFGL FLEGHT E79-05 ON 25 JAN 79 1 5EJOND AVERAGING THE STATESTERS ON 25 JAN 79 1 5EJOND AVERAGING THE STATESTERS OF STATE

PRESSURE! 13 PST	13 021	450	FLOW &	FLOW RATER 20 GPM	DISTA	DISTANCES 104 FT	CAL FASTOPE	:
S12E (HU)	SCATTER PROBE	or .	S12E (43)	3802a	SIZE (MU)	PRECIP PROBE	P (MB) 550.6	
~ .	6.78E+88	9	8	3.542+87	10	5.85E+04	ALT (KM)	
• •	1.35E+03 6.44E+69	25	m 64	3.135+67	4 6		4.854	
•	9.512+09	60	95	1.535+67	1241	•	1EMP (C)	
<b>9</b> 7	6.36E+09	69	102	7. 595+66	1538		-28.1	
12	6.455+89	6	122	4.22E+66	1835	:		
=	5.06E+89	2	741	1.416+06	2132	:	FROSTPOINT	
16	4.25E+89	63	161	8.145+85	6646	:	-31.6	
7	6.72E+89	2	191	3.19E+05	2726	•		
8	3,526+83	63	241	3.196+65	3923	<b>:</b>	TAS (M/S)	
22	3.375+	2	122	1.602+65	3326		129.6	
2	2.11E+89	2	241	1.666+85	3617	-		
52	1.53E+83	2	26.	1.215+65	391 4		MT (N/M3)	
2	7.985+48	•	28C	1.37E+85	4211	Ġ	2565721.9	
#	9.7454	:	306	1.235+05	4508			
9	2. 60Fe					0 0 0	TOTALS	
2	12	:		112		404	234	

¥	CAL FACTOR	F (NB)	ALT (KK)		1.7.	FROSTPOINT	-18.3	TAS (M/S)	131.9	NT (N/R3)		TOTALS	105	ñ	CAL FACTON	544.6	ALT (KM)	4. 86 6	TEMP (C)	-17.4	FROSTPOTHT	-16.2	TAS (M/S)	725.2	KT (W/MB) 2027-021-1		107 AL S 6.546-01 106
SFFT ICING SPRAY TEST BY AFGL FIEGHT ETG-84 ON 24 JAN 79 1 SECOND AVERAGING INFERRAL STATIFFILS SAN PARTICLE SI ZE DESTRUNCES (NUMBER/NewS-MH) IVPES RAIN	DISTANCE: 100 FT	PRECTP	3.895+33		-	, e		à,		£ 6	: :	9. KBF+32	601	1 SECOND AVERAGING 11 SECOND AVERAGING 11 No. 1 No. 1 No. 1	DISTANCES 108 FT	PRORE		* •	::	ċ	: 6		: 2	::	: -:	:	2.31E-42 413
14 TEST 12 F. L. B. C. L. C.	1510	S12 E (MU)	31	1	1536	2132	2429	3923	3617	3916	1200			7 TEST 111011	1510	SIZE	3	3 8	12.1	1516	2872	2424	3023	3617	1916	150	
4FFT	HZO FLJH RATER 25 GPM	0.000 \$204E	9.176+87					1.715-65	1.3/EFE 6.37E+E4	5.635064	3.376.0	6.7-7-6.4	101	AFFT TCING SPRAY TEST BY AFGL LISTON 24 JAN 79 1 SECOND AVER LITECHA STATE-21118115* PARTICLE SIZE DISSTRUPTING (NUMBER/MF*3-MY) TYPES RAIN	420 FLJW RATER 23 GP4	C.003		5.592407					1.715.05	1.255.465	2.906+04	1.965.04	19-305-4
MO 90 1	FL3# 6	3778	23	. 60 6	112	241	161 191	23.	1 2	260	198			AFET 14 ON 14 EB 512 E D	FUN	3235	23		9 6	201	14:	191	182	142	9 8	33.0	
194 Flont epg Particle		SCATTER PROBE	1. u 2 E + 0 9 3. 26 F + 89	8,955+09	1,145+19	74596+09	5, 666+69	3.636+69	1.936+49	1.516.09	1.035+09	2.946-01				S:ATTER PPOBE	1.29E+09	3. 37 E+09	1.255+10	1, 19E+10 8, 85E+03	7.476.09	5.54E+09 6.83E+09	4.056+99	2.62E+09	1.88E+09	1. 315.09	3, 32E-01 21
SAMPLE 1 1	PRESSURER 18 PSI	S128 (190)	~ *	* ** #	3	3 3	91 87	22	3.7	£ 7	30	ار <b>بر</b> ن	MED 0	SAMPLE: 19A	PRESSURE: 10 PSI	ST7E (NU)	~	<b></b> 43	•	10	<b>:</b>	2 87	.2.	3 2	92 58 58	2	L MC O
	9.6														9.0												
<b>5</b>	CAL FACTORS	9 (MB) 558.8	ALT (KH)	TEMP (C)	-16.8	FPOSTPOINT		14S (N/S)		NT (N/H3)		6.42E-01	121	INS	CAL FACTOPE	550.0	ALT (KH)	4.861	TEMP (C)	-16.9	FROSTPOINT	1000	TAS (4/5)		MT (M/M3) 1585865.7	TOTALS	4.795-81
TIME SPRAY TEST BY AFEL JAN 79 A SECOND AVERAGING STATICSTABLIS STATICST	DISTANCE: 106 FT	PRECIP	1.625+34					<b>.</b>	: -		_	1.965-31	767	'GL ) AVERAG )3 <del>-R</del> Y)	13 61T	PRESI PPROME	5.516+13	4.615+01 0.									3.426-02
F 7 7 5 5	Į.	b: 0									6	1.		97 A 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	NOE				: :	÷	é.	: :	ė	•			
C 25	6	S175	404	944	1536	2132	2429	3023	3517	_	4586	1.0		v TEST BY AF 1 5550M5 18181134 (NUM BES/H**	DISTANCES LTD FT	5126 PRE		9** 4*6	•	1935 0.	2132 0.		•	•	3914 4211	1506	
2 ICIMG SPRAY TEST BY AFEL. 24 JAN 79 1 SECOND AVER 14. STATI-21 158112* 1157219/17045 (NUMBES/40+7-44) TYPES RAIN	Hed 52 1	CLOUD ST?						1.715+85 3023		1916	2.385+64 4588 0.	5.365.21 1.0		72 757 MG SPRAN TEST BY AFGL 24 JAN 7941 1 1550MD AVSRAGING YAAL STATT 22151130 13571 9011745 (NUM BS 2/M*3-M4)	F1 23 604		7.366+67 484	1.345+07 647	1-325-67 1241 0	**************************************	1.23E+f.6 2132 0	5.23E+05 2726 0	1.636-05 3023 0	1.195.65 3617 8	9.375+64	4,27E+84	4.4.2E-0.1 15.9
MFT3 10 ON 24 HERVAL 26 0157	FLJW RATES 23 SPM		6.55E+£7 6.33E+B7		7.256466	1.575+66	8.36E+45 6.326495	1.715+15	3.4 86 + 64	3,365+0, 7916	2.306.5			AFT) TOTMG SPGAV TEST BY AF ON 26, IM 79 1 550000 TY SERVAL STRAFF SEATURED THE SERVAL THE SEVER RAIN	F1 23 604	3215	7.366+67 484	1,345+07 647	1-325-67 1241 0	**************************************	1.23E+f.6 2132 0	5.23E+05 2726 0	1.636-05 3023 0	1.195.65 3617 8	4 2	4,27E+84	다 다 다 나 보다 다 다 다 다 다 다 다 다 다 다 다 다 다 다 다
AFFTS (16MT E79-66 ON 24 I AFERNAL PARTICLE SIZE 0157-	PST HED FLIN MATER 23 PPM	CLOUD P209E	6.55E+£7 6.33E+B7	62 24986467	7.256466	142 1-575+16	8.36E+45 6.326495	201 1.715+85	30196106	1986 3.46.66.00 000 000 000000000000000000000000	110 2.308-56	5.365.71	21 106	SEFF TE STEED ON 24 DW 24 DW 24 DW 24 DW 26 DW 27 DW 2	420 FLOW RRIES 23 GOY	3218 (LO.C 351)	7.366+67 484	50 5-3045-67 647 62 5-3076-67 954	1921 19320 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1	122 2.245+66	1.23E+f.6 2132 0	161 5.232+05 2726 6	1001 1-63E-65 1002 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D 1990 984-984-11 142	268 9.37E+64 288 6.29E+84	4,27E+84	3.69E-01 21
MFT3 10 ON 24 HERVAL 26 0157	HZO FLIN KATES 23 PPM	\$17E CL 0J)	9.91E+68 23 6.05E+77 2.78E+69 43 6.03E+87	62 24986467	1.22.418 10.2 7.25.45.0 U.S. 1.25.45.0 U.S. 1.25.45		6.54E+39 161 6.35E+45 7.74E+49 181 0.31E+39	6.736.69 203 1.72E+E9	2.85E+03 341 3.46E+64	2.276+69 259 3.466+64 3914 3414 4.4 4.444+64 3414 3414 3414 4.4 4.4 4.4 4.4 4.4 4.4 4.4 4.4 4.4	1.535469 130 2.36545	3.76F-61	21 105	SAMPLE: 198	F1 23 604	3126 C.O.C. 3515 (VP) =8059 (VP)	1,222 +19 23 7,366+67 484	のではなのでする もら ちょかんにゅうし かまり 人にものから かっちかのもはら ひじ かっちかのもはら	0 1927	かった は は は は は は は は は は は は は は は は は は は	7.528469 142 1.238486 2132 0	6.99E+83 161 5.23E+65 2726 6	4.050F400 204 1.43F405 3023 0 4.05F400 324 4.5544F	0 198 9844844 199 6848677	268 9.37E+64 288 6.29E+84	1.29E+69 389 4.27E+84	-

<b>9</b>	CAL FACTOR	P (10)	ALT CERP	;	TEMP (C)	47.7	CONCIDENTAL			TAS (M/4)	132.3		NT (M/H3)	21111111.5		FOTALS	4. <b>99</b> E-61	•		<b>¥</b>			CAL FACTOR!	(46)
AFFT: TOING SPAN TEST BY AFEL 14 ON 24 JAN 79 1 SECOND AVERABING 17 (ERVAL STARTA-21 120159** 17 FFFE SATH **	DISTANCE: 188 FT	PAEC 1*	3.266+97	1.222.02	: <b>-</b>	÷.			: =		: -	-				;	2,665-12	!	V AFGL	1 SECOND AVERAGING	(1603-44)		DISTANCES 188 FT	PRECIP
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	01574	\$12E	3	į	1421	1536	16 32		2726	3923	1325	1617	3916	<b>\$213</b>	1588				7637 9	22.	CNUMBER		DISTAN	3218
FIGHT E79-64 ON 24 JAM 79 1 SECOND AVER THEYALL STATISHING 1 15 COND AVEN PARTICLE SITE DISTINGUES (NUMBER/MOSE-MU)	HZO FLOW RATES 23 GPM	A. 096	6.345+67	2.635.67	1.236+(7	6.436+66	1.566+0	6.525+1.5	3.915.65	2.29E+f5	1,255+63	3.+65.+	2.466+6	1.746+04	1.33E+f	;	4.036.4		TOWN AS IS IN THE SERVICE STATES OF THE SERV	24 JAN 73	Che-t-en/hadhon) Shciintalsis o als aloiled	HINN I TO A	HZO FLOW KATER 23 GP4	C. 001
NFT. 1 TERN SITE DI	FLOW R	(A) 5775	N :	79	82	182	162	191	161	231	121	24.1	268	20.0	333				15FT;	20 20 20 20 20 20 20 20 20 20 20 20 20 2	10 3/15	-	FLOW RE	3715
		SCATTEP PROBE	1.226+69	6,45€+09	1.835+10	1.386410	9.14E+09	6,2+5+09	7.43 €+09	5.01E+09	4.27€+89	2.72€+09	2,115+89	1.0? £+49	1.535+09		2.615-01		4	F. 1388 E/ 94	PARTICLE			SCAFTER
SAMPLE 19A	PRESSURET 13 PST	SIZE	N 4	·a	•	3 5	: =	91	10	23	22	3.	97	<b>53</b>	96	•	##0 O		761 131dw45				PRESSURE 19 251	SIZE
	<b>6</b>																						9:1	
9 21	CAL FACTORS	P (MB) 549.7	ALT (KM)		TEMP (C)		FROSTROIMT	-19.2		(3/4) 571	132.5	;	MT (N/M3)	1119621.5		FOTALS	123		¥				CAL FATTON	F. (##)
EST BY AFEL 1 SECOND AVERAGING 8115* U49E2/4************************************	DISTANCES 148 FT	PRO 9E	5.43E+33	•					ċ		•	•		•	.,	4. 166-19	199	į	EST DY AFEL 1 SFCORD AVERAGING		8/403-44)		DISTANCES 179 FT	PRECIP
1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	JISTA	SIZE	35	;	126.	1935	2112	2429	272€	520.	3320	3617	3914	1117	200					11.41.17	(NOM3		DISTA	\$17E (49)
AFFT TOTMS SPRAY TEST BY AFEL F. TEMP 20 AN 79 1 SECOND AVEY I MERVAL STATE #2118 158* PARTICLE SITE DISTREBUILD NS (MUMBER/40+9-MV)	TE1 23 604	6_ AU3	5.32c+07	2.375+67	6.44.6	2725066	9.375+65	5 3 4 36 4 6	5.212+35	1.525+5	1.255+5	5 - 7 7 - 6 -	3.0114.4	1000	4 74 37 6 6 6	1 600 1	112			AL 374271429	SITE DISTAINATIONS (NUMBER/NESS-NA) TYPES BAIN		M20 FLJW BATER 23 GF4	0.033 2203E
AFFT3 I SE ON SE THERVAL SIZE OIST	HZO FLIW RATES	37.5 37.5	23	6.	R: 6	122	742	161	191	17.	122	44 (		F. :	2.5			Ş	, ac 40.	INTERN	10 2218		FL74 PA	547E (40)
ISHT E79-		SCATTER PROBE	1. 64E+89 3. 66E+89	4.82E+89	1.325+10	9.576+69	8-97E+69	6, 378+89	5.84E+19	** B7 E + B9	6.05E+19	6. /5E+E9	Z. 23E+69	4,57,400	******	3.635-01	21		F. IGHT E79-04 34		PARTICLE			STATTER PROJE
20	=======================================		iń									-			:	-	0	3		•			7	
SAMPLE 198	PRESSUREI 18 351	STEE	~ 3	••		77	1	97	2 :	8 (	2	\$ 3	97	97	2	2		40.					PRESSURFI 18 251	SIZE

CAL FACTOR	1000	8.6.5		ALT (KM)			TEMP (C)	17.		FROSTPOINT	7.2		TAS (M/S)	132.6		IT (IVE)	1239734.6		TOTALS	127
DISTANCES 100 FT	0000	P409E			4.588.53	<b>.</b>	<b>:</b>	÷	÷	÷	:	<b>:</b>	<b>:</b>	•	<b>:</b>	<b>:</b>	÷		. 66800	
0151	4176	(F)	•		Ì		1541	1 530	1635	2132	5429	2726	3423	3326	3617	3914	4211	1961		
469 52 1318 META 074	5,007	38020	E. 94646.7			10095487	21456	3.365+86	1 - 5 35 + 8 5	7.585+15	3,375+65	3.546+05	1.39€+65	2.192+65	3.476.64	4.83E+64	5.39E+84	3.595+84	7.276-81	
Š	3715	3				2 6	200	201	221	745	161	191	707	22.5	241	36 B	.03	330		
	SCAFTER	38044	1.175483	476469		4 205 4	7.20.7	1.345+10	1.492.10	3. 45. 46.9	5.61E+09	7.24E+89	4.58E+89	4.18E+09	2.80E+89	6.29E+89	1.186+89	1.64E+69	3.695-61	12
TS AT ITANGETS AND	311S	(RC)	~		· u	•	•	3;	3 4	<b>:</b> :	2	5 ;	3	27	₹.	92	87		9	O COM
	(éH) d	549. A	ALT (KH)	4.356		TEMP (C)	447.7		FOOSTBATES		7 767	137 107 241		4364	MT / W/22	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1.00/001		10-346-4	111
	PRECIO	PR09E	2,915+13	1.535+31				: -	: -					: .	: =	: .	: .	:	1.916-72	
	3712	Ē	3	5	796	126:	1578	1845	2132	2120	25.5	4603	2626	15.47	400	1 24 4	1177			
	0.033	35026	**726+17	4.315067	1.365+07	100 450 67	4. 3 2E+L6	2.346+66	1-116+66	7.1 MF + C	1.105.00	1,1 10 1.7	2.000	7 7 7 6 7 7	1.5.65	7.34641	3 2 3 C 4 B 4	* 142/200	3.946-61	5
•	2175	Ê	23	*	9	92	703	122	745	4		7	ž	, ,	36	4		2		
	STATTER	360%	1.256+69	3.516+69	7.65E+19	1.316+10	1.37E+10	1.156+13	1. 09 6+18	7.735440	A. h26+89	4. 36E + 19	6. 1 66 a B	3. 61 5 4 00	2. 77F+89	1.796489		C	6.59E-81	5
	\$17E	ĝ	<b>R</b> i	•	•	•	7	15	1	97	3	2	12	2	56	2	:	;	3	

CAL FACTORE TEMP (C) -17.9 FROSTPOINT -17.3 TAS (M/S) 132.3 NT (N/ME) 2>22648.8 ALF (KM) AFFT: ICING SPRAY TEST BY AFGL
FLIGHT E79-04-04 24 JAN 79 1 SECOND AVERAGING
THTENAL STATTH-2110027\*
PARTICLE SIZE DISTRIBUTIONS (NUMBER/N\*\*3-M4)
TYPE: RAIN 1.32E+94 7.65E+81 PRECIP PRORE DESTANCE: 100 FLOW RATES 23 6PM 7.0J3 11.43E.609
99.8747E.609
99.87E.609
11.20E.609
99.87E.609
99.87E.609
12.20E.609
12.20E.609
13.20E.609
13.20E.609
13.20E.609
13.20E.609
13.20E.609 ISa 2 SAMPLE: 199 SI 2E 9.0 PRESSURE 3222222222223 3222223222223 CAL FACTORE TOTALS 5.24E-91 FROSTBOINT -17.4 ALT (KM) TEMP (C) TAS (M/S) 132.3 NT (N/H3) 2160348.8 F.IGHT EFG-04 TW 24 JAM 79 1 SECOND AVERAGING
I VIERNAL STRETF\*21:118:25\*
PARTICLE STYE DISTABULIONS (NUMBE2/M\*\*3-44)
TYPE: AAIN DISTANCE: 100 FT 6.23E+13 PRECIP FLJW RATER 23 GPM 5.3 % WAR 6.7 % C. 000 ST7E (40) 2 4 2 2 9.29 9.29 1.10 SCATTER PROBE 14 >SI SAMPLE: 199 9997444522598 PRESSURE

:

F (MB) SAMPLE: 199 AFGL
SAMPLE: 199 AFGL
F\_IGHT E79-04 ON 24, JAN 73 1 SECOND AMERAGING
INTERFAL STATE\*21116129\*
PARTICLE\_STYS DISTRUCTOMS (MUMBER/M\*\*3-M4)
TYPE: RAIN DISTANCES LEG FT PRECIP SIZE 420 FLJW RATER 23 GPM 5\_047 8408E S17E SCATTER PROBE PRESSURER 18 SE SI7E CAL FACTORS P (48) 549.1 DISTANCES 100 FT PRECIP PRO9E ST7E (40) FLOW RATER 23 GPM 5, 283 3209E \$17.2 ( #U) PRESTURER 13 PST H20 SCATTER PROBE

6.215-41 116

FPOSTPOINT -17.2 TOTALS 6.06E-01 109 1EMP (C) TAS (M/S) 132.8 NT (NUMB) 2515448.7 ALT (KM) 4.46E+13 3.97E+91 5.76E-61 186 1. 37 E + 00 2. 50 E + 00 1. 34 E + 00 1. 4. 11E-11 885572585578885578 TOTALS 6.11E-81 131 FPOSTPOINT -17.3 ALT (KH) TEMP (C) -17.8 TAS (M/S) NT (M/N3) 2157916.6 1.295-81 484 1.965+34 80127488881674 801275788441666 80138841666 80138841666 8013884166 801388 80138 8013 4.32E-41 

SAMPLES 199

4.82E-C1 107

SAMPLE: 199 AFFT ICING SPRAY TEST BY AFGL.
FLIGHT E79-04 ON 24 JAN 79 1 SECOND AVERAGING
INTERNAL SARTI-2118831\*
PARTICLE SIZE OFSTATABLIDAS (NUMBERNOS-MU)
[PPS RAIN SAMPLE: 198 AFET: TOING SPRAY TEST BY AFGL F\_IGHT E79-64 OH 24, JAN 79 1 SECOND AVERAGING INFERNAL STARTT=21:18:29\* PARTICLE SIZE DISTRIBUTIONS (NUMBER/++3-H4) TYPE: RAIN ;

	CAL FACTORE	P (MR) 549.2	ALT CENT	4.874	•	TEMP (C)	-17.9		FROSTPOTMT	-17.1		TAS (M/S)	131.9		NT (M/M3)	1957878.5		TOTALS	4.78E-01	111
	DISTANCE: 100 FT	PRECTP	3.785+13	3.07E+01							: =			-					2.625-12	603
	DISTAN	SIZE (MU)	7 9 4	3	3	1241	1534	1835	2132	2429	2726	3023	3320	161.7	3016	4211	4508			
MIN'S STATE	FLOW RATE: 23 GPM	C. 000 P3.08E	7.455+07	5.2 BE+07	2.665.67	1.195+67	5.44E+BK	2.31E+06	1.12E+t6	7.39E+05	3.168+65	2.032+05	1.885+05	6.375+6	5.515+0.4	40.36F+C+	2.35E+P4		4.52ē-¢1	105
		SIZE		7	6	~	142	122	142	161	191	7	121	24.1	797	26.3	30.0			
	0 PST 420	SCATTER PROBE	1.32E+89	3.66E+09	8.96E+09	1.35E+10	1.22E+10	1.036+10	9.03E+09	6.22E+03	b. 85E+09	4. 456+09	4.17E+09	2.71E+03	2.16E+39	8.465+08	1.53E+09		3.67E-01	21
	PRESSURER 10 PST	SIZE	N		•	•	07	15	*	91	18	23	22	54	56	29	33		2	0 03H
	9.6																			
	CAL FAFTORE	5,648 549.2	ALT (KH)	4.874		TENP (C)	-17.9		FROSTPOINT	-17.2		T 45 (M/S)	131.8		NT (N/HA)	2169692.0		TOTALS	4.68E-01	101
	DISTANCE: 100 FT	PRECIP PROBE	3.915+13	5.147+91	:	9.	•					9.				•			2,83c-12	414
	OISTAN	SIZF (MU)	707	64.7	116	1241	1538	1835	2132	5429	2726	1023	3320	3617	1914	4211	4506			
	TE1 23 6P4	5.0U5	4.672+67	5.73E+67	2.585+4.7	1.195+67	5.35E+06	3.02E+6.6	1.335	4.356+65	3.665+65	1.142+(5	9.42546	3.+95+64	3,362+[4	4.04545.7	2.315+64		4.505-01	100
•	HZO FLIW RATE	\$12£ (40)	23	£ 4	63	82	201	122	142	161	181	10:	121	1,4	26.0	29.3	300			
		SCATTER PROBE	1.31E+09	3, 396+09	8.58E+09	1. 31E+10	1.245+10	1.02E+10	8.69E+09	6. 45E+09	6.62E+89	4. 37E+69	7.636+09	2.40E+09	2. GZE +09	1.085+59	1.538+09		3.596-01	27
	PRESSURE: 18 PSI	SIZE	N	•	.0	•	7	12	=	16	2	50	22	₹.	36	28	2		<u>۔</u> د	HE 0 0

SAMPLE: 199
F.IGHT E79-04 ON 24.AM 79
I SECOND AVERAGING
I HTEKVAL STAT#-21:18:32\*
PARTICLE.STYE DISTREDUTANS (NUMBCR/M\*\*3-44)
I TPPE: RAIN 

9:0

CAL FACTOR	(HB)		A. 187		TEMP (C)	-17.9	i	FROSTPOTMT	1	:	14S (H/S)	130.	•	MT /W/MT!	21 177 L		TOTALS	1.096-4	987
DISTANCE! 100 FT	PRECIP		- 5 TE + 13							: =	: 2		: =			: 4	}	2.48E-02	497
01574	SIZE		;	1	1241	1538	1835	21.32	2429	2776	N 2 8 12	3420	1417	4 10	154	4508			
490 FLOW RATE: 23 GPM	3,003		5. T. AF 4.07	2.345+67	1-175+07	5.P9E+46	2.72E+06	1.532+46	5.82E+05	34.1 35465	1.71E+5	6.27Fe84	3. k. AF + 0 h	4 4 4 5 4 6 14	5. B SF 4. L	3.766+04		4.546-01	102
FL 34 R	\$126		3 4	62	92	102	12.2	142	161	181	201	22	4	96.0	28.	300			
	SCATTER	936496	3.788+00	9.08E+09	1.35E+10	1.34E+10	1.07E+10	9.52E+19	6.30E+89	6.93E+09	4.77E+09	4. 15E+09	2.63E+89	1.99E+09	1.116+80	1.586+89		3.756-41	1
9.8 SRESSURE: 10 SE	SIZE	•	<b>.</b>	•	•	2	75	*1	16	1.0	50	22	24		6	6		LNC	MEO O
CAL FACTOP:	P (HB)	1 1	6. R74		TEMP (C)	-17.9		FROSTBOTAT	-17,1		TAS (M/S)	131,9		RT (N/M3)	1609737.8		TOTALS	3.97E-01	103
DISTANCE: 100 FT	PRECIO	1.715413	3.275+31		•		•	•		•	:	:			•			1.25E-12	415
DIS14	SIZE (MU)	4	2.5	7 16	1241	1538	1835	2132	6242	2726	3023	1320	3617	3914	4211	4506			
IE 23 604	5, 343 92095	5.546417	5.315+4.7	2.335+07	1.395+67	5.395+05	2.155+66	1.535+66	5.375+65	1.935+05	8.362+64	1.26E+05	3.496+64	2-146+04	1.315+0+	9.456+03		3,956-01	171
HZO FLOW RATE!	\$ZZ\$		•	29	82	192	122	241	161	181	201	22.1	147	268	280	30			
	SCATTER PROBE	1.125.09	3.456+89	9. ú2E+09	1.21E+10	1.096+10	8.23E+09	6.96E+89	4.99€+09	5.13€+03	3.61E+09	3. 00F +69	1.91E+09	1.42E+69	6.52E+88	1.06E+09		2,756-01	
PRESSURET 13 PSI	SIZ <sub>E</sub> (MU)	^	•	•	•	2	21	#	76	97	82	22	*	20	2	30	!	3	

	:															9.6													
9 2	CAL FACTORS	* (#)	ALT (KM)	1620 (0)	47.7	FPOSTPORT	-16.9	TAS (M/S)	132.2		2115239.2		TOTALS	9-47E-72 110	9	CAL FACTORS	648) 549.3	ALT (KM)	<b>6.87</b> 3	TEMP (C)	7	FROSTPOINT	-16.8	TAS (M/E)	132.2		2579284.9	Totale	6.905-01
4FFT: ICING SPGAV TEST BV AFGL F.ISHT ETG-G4 C4 24 JAN 79 1 SECOND AVERAGING INTERPAL STATTI-21 1418135 PARTICLE SIZE DISTRIBUTIONS (NUMBER/N=03-NN) TYPE: RAIM	DISTANCE: 100 FT	PRECIO PROBF	4.18E+93				•		•		•			2.762-32	LEFTO TOTAG SPRAV TEST RV AFGL FLISHT E79-64 ON 24 JAN 79 I SECONO AVERAGIMG TYTERRAL STATTAR 2115135 PARTICLE SITE DISTRIBUTIONS (NUMPER/4003-M4) TYDE: RAIM	DISTANCE: 188 FT	PRECTP PROBF	•••	1.38E+72 B.		<b>.</b>			5 4		<b>.</b>			7.655-92
7 TEST 1 9 148833 (NUMBE	01510	SIZE	34	3	1536	2132	2429	3423	3335	3617	4211	4508			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SIST	\$12E	7	3 1	1241	1556	2132	5429	1022	3320	3617	127	4 50 0	
AFT: ICING SPRAY TEST BY AFGL ON ZW JM 79 1 SECOND A STERALL STATINE ALBRUSS PE DISTRIBUTIONS (MUMBER/MP+0+)	H20 FLOW RATER 23 GPM	CL 043	7.34E+67 5.37E+07	2.52E+07	6.996+66	3.1 75+85 1.58E+86	8.346.65	2.55E+C3	1.256+65	4.5.45.4.7	40 40 40 40 40 40 40 40 40 40 40 40 40 4	4.40E+64		5.20E-11 107	AFFTO TOTAG SPRAY TEST BY AFGL NO Z4 JAN 79 1 SECOND A VERRAL STATTOP 2119 35 VEDISTRIBUTIONS (NUMPER/4003- TYDE: RAIN	FLOW RATES 23 GPM	CL 083	4.145414	7.175+07	1.452467	6.78E+06 3.43F+06	1.515+66	7.496+05	2.56745	1.576+65	1.396+65	9.34E+6	6.37E+64	6.1 4E-01 111
AFFT, Du Ou I AFER SI?E D	FLOW R	STZE (40)	5.3	25	3	227	191	181	12.	19.	9 5	50.			1867 1475R	FL 34 R	\$ 17 £	<b>\$</b> 2	. c	95	102	12.	12	1 5	22.1	7 7	192	200	
9 FLISHT ET9- PARTICLE		SCATTER PROBE	8.03E+08	7.945+09	7,27E+89	5.39E+09	3. 33E+69	3.55E+09	1. 68E+09	1-11-00	3.41F+08	6.37 E+08		1.76E-01 20	PLISHT E79- PARTICLE	420	SCATTER PROBE	1.475+69	3,475+09	1.35£+10	1.275+18	6.76E+09	5. 39£+89	6.59E+44	3.726+09	2,585+09	9.556+08	1.436+63	3.57E-01 21
SAMPLET 199	PRESSUPER 10 PSI	SIZE	€ IA	- ω •	° 3 '	12	91	12	22	2	9 %	2	•	F3 0	SAMPLE 1 199	PRESSUMER 10 2ST	S123 (CH)	٥,	9 6	•	16 1≥	1	<b>9</b> :	2 2	25	5.6	0 e	8	LWG D
	9.6															9.6													
9 N	CAL FACTORS	P (#9)	ALT (KH)	407 0191	6-11-	FPOSTPOINT	-17.9	TAS (M/S)			1089425. T		TOTALS	4.59E-11	TN 5.	CAL FACTOPS	P (M9) 549.3	ALT (KH)	4.873	TEMP (C)	-17.9	FROSTPOINT	-16.9	145 (8/5)	131.9	******	1794462.8		6.56E-81
PRAY TEST BY AFGL 1 SECOND AVERAGING PS (NUMBER/4003-44)	DISTANCE: 100 FT	PRECTP	2.165+13		: :			•			<b>.</b>	: :		1.48E-12 414	PRAV TEST BV AFSL 3 1 SECOND AVEPAGING 1-21119134 NVS (VLUMETAZAMONT-44)	DISTANCE! 169 FT	PRECTP PROPE	4.136+33	3.07E+11	;;				•		<b>.</b> .	: :	ċ	2,656-32
POAY TEST 819 1 SEC 1 SE	91ST4	SI ZE	101	36	1538	1835	623	2726	332 C	1617	4214	4506			TEST 1 3 119134 (YU49E	31518	\$12E	1 01	د ۱ و د	1241	1538	2132	2429	3823	3326	7617	<b>4211</b>	1508	
	TE1 23 GP4	7.095 3805	6.35E+C7	2.48E+67	5.296+66	7.76E+06	5,365+05	4.165+65	1.962+05		7 2417 4 7	1.245+64		13-244.4	: TOING EPRAY 24 JAN 73 141. STARTI+21 STRIBULLONS YPEI RAIN	ITE8 23 604	7, 003 9209E	6.5 6 2 + 37	4.725+87	1.135.67	4.735+06	1 -2 32+66	6-1-25-63	1.4.75.45	9.412+84	6.37E+C4	439500	3.555+64	4.28E-81 188
SIZE DI	FLOW RAT	3278	84 # 83 :1	6.5	102	122	ž	181	22.	26.2	9 6	3.5			1FFTC 64 3N I 4TERV 7 I 25 91	FL34 PAT	412E (41)	23	£ 4	. N	5.0	12	161	53	7.5	7 2	3.0		
FLISHT EF9- PARTICLE	OZH ISc	SSATTER PROBE	1.476+03	9.395+09	1.32E+10	1. 61E+18 A. A.F.+09	E.27E+89	6.655+69	3, 75E+69	2.436+19	1.84E+53	1.326+49		3.46E-01 20	AFFIC USING SAFEC TOING SAFE FLISHT E79-64 ON 24 JAN 77 PARTICLE TITE DISSERTANT IYDSI PAIT	02H 15a	SCATTER PROSE	9.57E+r8	2.86E+69	1.07 E+18	9. 06 E+09	5.81E+89	4.10E+09	4.28E+43	2.55E+09	1.465+09	5.092.08	8.165.88	2,24E-01 20
SAMPLE 1999	PRESSURE: 10	SI ZE (MU)	₩4	, 10 4	° 51	22 2	<b>.</b> 4	<b>5</b> 6	22	₹:	92	9 <b>9</b>		LNG HED 0	<b>₽</b>	PRESSUREL 11	S122 (0H)	N		•	9 1	: 4	91	2 2	22	2 1	8.	<b>2</b>	LEG D

199 AFFT ICING SPRAY TEST BY AFEL F.IGHT E79-96. ON 24. JAN 79 1 SECOND AVERACING TYFERVAL STATIC 911301399 PARTICLE SATE OISTRIGHTONS (MANGER/MOST-MA)	
SAMPLE: 198	
ř.	
FIGHT E79-64 OW 24 JAN 79 1 SECOND AVERAGING I FFRMAL STATE 2113037* PARTICLE STY DISTRUITIONS (NUMBER/Me+3-H4)	
AMPLE 1995	
SAMPLE	

;

CAL FACTOR:	648)		ALT (KM)	198.		TEMP (C)	-7.5		FROSTPOINT	-16.6		TAS (M/S)	132,1		NT (N/M3)	1451157.6		TOTALS	6.07E-81	174
DISTANCES 108 FT	PRECIP	PROBE	4. 16E+ 94	<b>.</b>			.;	•	•	•	÷		;					:	2.216-11	<b>†</b> 0†
DISTA	SIZE	Ê	3	66.7	į	1241	1538	1835	2132	5429	2726	3023	3320	3617	3914	4211	4508			
HZO FLJW RATER 23 GPM	31013	2 to 0 2 st	6.545+67	3.205007	2.1 4E+E7	1.346467	4.38E+C6	2,45€+46	1,146+(0	4.11E+E3	1.575.03	1. + 2E + E 5	6.27E+E4	4.36E+6+	5.346+6+	9.7 15+64	6.11E+04		3.965-01	108
FLOW RE	3215	ĝ	€ 2	4.4	62	8 2	132	122	142	161	191	23.1	122	192	360	25.9	13.9			
	SCATTER	2 RO BE	1. w1E+r9	2.33E+09	A. 41E+89	1.016+10	7. 926+49	5.43£+89	4.936+49	3.516+09	3.716+03	2.52E+09	2.135+69	1.145.09	9.636+68	3.835+08	5.755+08		1.86E-01	20
PRESSUREI 13 PST	212	î.	~		••	•	7	27	2	16	57	20	22	52	92	€.	30		LING	MED 0
9.6																				
CAL FACTORE	P (MB)	549.4	SLT (KM)	4.671		TEMP (C)	-17.8		FROSTPOTAT	-16.7		74S (M/S)	132.2		NT (N/43)	2.20254.1		TOTALS	7.095-81	109
DISTANCE: 188 FT	PRECIO	P409E	5.615+13	6.135+11			9.											<b>;</b>	3.355-12	411
91514	3215	<u>\$</u>	704	6	346	1241	1538	1.875	2132	2429	2776		4426	3517	101	121	4 6 2 7			
1721 23 GPM	, 0Un	260₹•	1. 3 85 + 6 a	7.255.7	3.565067	1.762+1.7	9.55E+ic	4.165+06	* . 7 2 F + L 5	1.125+65	7.195404	1 366	. 14 F. B. C.	3.43844	4 14 4 4	1000	7 9 8C + F		6.395-61	105
HZO FLIM RATES	\$17E	3	2.3	, ,	5,2	6	192	123	14.	1 41		16.6		1 1		Ę	::	:		
	£.	2R29F	1.37F+49	3.835+09	A. L.7 F 0.69	1.235+18	1.235+18	0.666409	F3-16-1	6.27.483	7454.0	E 10 40 0		2. 575 403	2054.9	0:44	6041144	7 · 3/ E · 6 3	7. 625-11	
POFCELL 10 35T	SIZE	(PE)	•	4.4	•	•	, 5	; ;	4 -		2 :	2, 5	3 5		3 %	8 \$	3 :	*	4	MED 0

SAMPLE: 199 AFGL TOING SPRAY TEST BY AFGL F.IGHT E79-04 DN 24, JMN 79 1 SECOND AVERAGING INTERNAL STATE-21116113 PARTICLE SIZE DISTRIBUTIONS (NUMPER/Mexi-44) 149E: AIN SAMPLE: 199
F.IGHT E79-04 ON 24. ANY 79
I.SECOM) NVERSING TYPESS ON 18 SECOM) NVERSING TYPESS ON 18 SECOM) NVERSING TYPESS OF STREET STANDS (NUMPER/Wess-Num)
TYPES RAIN 9.

TOTALS 5.376-01

1.19E-01

TOTALS 6.68E-81 189

6.31E-01 105

NT (N/M3) 2786788.1

NT (N/N3) 2037730.6

CAL FACTORS FROSTPOINT -16, 6 569.4 ALT (KM) TEMP (C) TAS (M/S) 132.1 DISTANCE: 180 FT 6.18E+93 1.53E+91 PRECIP PROSE CAL FACTODE 9.0 PRESSUPER 10 PSI M20 FLIM RATER 23 GPM C\_005 SCATTER PR39E F 0051P01NT -16.7 TAS (M/S) 132.3 ALT (KH) 1E4P (C) P (46) 549.5 DISTANCE: 100 FT PRECIP FLOW MATER 23 EP4 3,010 \$17£ (10) 24 1.266 edg SCATTEP >P29E 13 0 (1 STZE 24E5SUR:1

SAMPLE: 199 AFFT: ITING SPRAY TEST OF AFFL FIGHT EVAFOL STAND AVERAGING INTENAL STRATH F2188145 PARTICLE SIZE OUSSITOMS (NUMBER/MP03-N4)	
199 AFFT; TOTMS SPPAY TEST BY AFGL F_IGHT EF9-64 ON 24 JAN 79 1.2 ECHNO AVERAGING F_IGHT EFF3-11.8 11.8 14.9 PARTICLE SITE DISTALUMINE A/M+5-M4)	

SAMPLE

	CAL FACTORS	(9K) d	344.9	ALT (KH)	87 e		TEMP (C)	-17.6	-	F0 OS TPOINT	-16.4		145 (M/S)	132.3		NT CM/M3)	*1086622.4		TOTALS	0.19E-01	115
	DISTANCE: 148 FT	PRECIP	¥ 634	7.895+33.	4.59€+31	÷	÷	j	ć	ċ	•	<b>.</b>		•	ć			•		5.37£-12	907
	DISTAN	3176	3	7	3	*	1241	1536	1815	2132	5459	2726	3823	1320	3617	3914	4211	458			
LYDES ZAIN	HZO FLOW RATE! 23 GPM	0.003	A COME	1.205+69	7.51E+07	3.31E+6.7	1.97E+07	3.248+66	5.16E+06	2.11E+06	3.+2E+05	5,222+65	3.3 BE+6.5	2.19E+05	1.346+05	1.065+65	1.386+05	7.12E+04		7.65E-C1	110
-	FLOW R	3215	<b>§</b>	23	r	62	<b>8</b>	132	122	145	161	191	211	22.1	1+2	56.3	29.0	190			
		SCAFTER	PROBE	1.25E+09	3. 62E+09	8.88E+03	1.30E+10	1-126+10	9.126+09	7.91E+09	5.47E+19	6.21E+03	3.92E+09	3.25E+u3	2.146+09	1. 77E+u9	8.44.08	1.22.19		3.14E-01	20
	PRESSURES 13 PSI	\$175	Ê	<b>6</b> 1	•	.0	•	:2	15	1	91	18	20	22	15.	92	67	33		C#1	MED D
	9.0																				
	CAL FACTOR	1841 4	N . 6446	ALT (KM)	4.873		TEMP (C)	-17.7		FOOTFOINT	-16.5		TAS (M/S)	132, 3		NT (N/23)	2969586.1		TOTALS	7,965-01	117
	DISTANCE: 100 FT	PRECIP	PROBE	1.066+04	7,692+31	÷		9.	•	,	6								}	20-357-12	604
	71ST4N	SIZE	Ĵ	101	740	116	1242	1538	1945	2132	2429	272€	1023	1320	1617	1914	4211	4051	•		
IVPER RAIN	TE1 23 GPH	3,000	94035	3.1 46+[7	7.515.07	3.325+67	1.372+67	9.346+66	4.51E+L6	2.11E+20	7.372+03	4.505+65	2.855455	1.986+65	35.464	3.705+04	1 255 4 5	4.15F+P.		7.216-61	109
-	420 FL'IN RATES	SIZE	Ĵ	23	*	9	8	102	122	162	161	141		2	24.1	26.2	4	. 62			
I		SCATTER	2R7BE	1.136.09	3.67E+09	9.015+09	1.215+10	1.035+16	7.656+89	6.4754.3	60+169-4	A. 02F40	2. 66 6 46 9	2.87F+09	4 . 77 F 4 G	1.386400	6. 29F 4. B	100		2.536-01	20
	PRESSURE: 13 PSI	3115	(HE)	~			•	=	-	: #	: =	: :	2 5		;	, 12	3 6	) £	3	28.7	MED D

SAMPLE: 193 FIGHT E79-64 ON 24 JAN 79 I SECOND AVERAGING INTERAL SARTH: 2118844* PARTICLE SIZE ONSTREMUTONS (MUMBER/M**3-M**)
SAMPLE: 199 AFGL ETG. TOTING SPRAY TEST BY AFGL F. IGHT ET9-04, ON 24, JAN 79 I. S.E.CONG AVERATANG I ITSPWAL STRATI-21118142** PARTICLE SIZY DISTRAULOUS (NUMPSAYWOS-44)

CAL FACTOR!	7 (HB)	ALT (KM)	÷. 06 ÷		TEMP (C)	-17.6		FROSTPOINT	7.07		TAS (M/S)	131.7		NT (N/W3)	2622883.4		TOTALS	1.125.00	<b>88</b>
DISTANCES 160 FT	PRECIP PRO9E	6.646+34	•	•	•	•	-	<b>:</b>	<b>:</b>		÷	•	<b>:</b>	÷		÷		4.37E-11	į
OTSTA	SIZE	3	\$	**	1241	1538	1435	2132	2429	2726	3023	1320	3617	3914	4211	1516			
FLOW RATES 23 GPM	5, 0u3 909£	9.596.67	6.5%E+07	3.40E+07	1.306+07	8.43E+06	5.12E+06	2.19E+C6	6.17E+05	3.146+65	3.436+05	3.466+85	3.496+64	6.916+04	1.336+65	1.19€+05		6.886-01	11
FLOW R	S12E (40)	23	£ 3	29	25	102	122	142	191	191	231	757	241	250	28.3	<b>30 6</b>			
W50	SCATTER PROBE	1.196+39	3.60E+69	9.035+09	1.716+10	1.198+10	0.62E+09	7.115+09	5.37E+09	5, 97 €+ 63	3.86£+89	3.445+89	1,905+09	1.795+09	8.06E+08	1.11E+09		3.04E-01	50
PRESSUPER 14 PSI	SIZE (HU)	7	3	\$	•	21	~	#	91	2	20	22	12	36	92	30		SE.	MED 0
0.0																			
CAL FACTORS	6 (48) 549.4	ALT (KH)	4.871		TEMP (C)	-17.6		FPOSTPOINT	-16.5		TAS (M/S)	132.2		NT (N/H3)	2748394.8		TOTALS	7.4E-01	119
DISTANCE LOG FT	PRECIP PRO9E	5.036+3*	1.535+31						•	•				•				3.35E-02	<b>• 90</b>
DISTA	SIZE	7 9 7	249	7 76	1241	1538	1835	21.32	6247	2726	3923	3320	3617	3914	4211	4508			
HZO FLOW PATE: 23 GPM	7,073 93,035	A.7 4E+C.7	6.48.497	7.545467	1.555+87	9.1454.6	3,395+06	2.346466	1.262+85	5.22E+05	2,356465	3.445415	1.145+05	9.96E+04	9.325+04	5.342+04		7.19E-01	114
FLOW PA	\$125	,	, pr	3	, e	251	122	142	161	191	23.1	22.1	261	28.0	28.0	30.0			
	SCATTEP PROME	1.225489	7. 64F489	3.186410	1.405418	1.195413	8.44.603	7, 675 +69	5.715+09	6.26 F+89	3.915+83	3.805+69	2, 196+19	1.76E+09	A. 14 F + B.B.	1. 33F+44		3.25E-01	21
PRESSURER 10 PST	STZE	۸		• •	n e	•	-	4 4	9	=	2	?		2	7	2	;	1	MED D

FIGHT E79-84 ON 24 JAN 79 1 SECOND AVERACING
INTERVAL STRETT-21118147\*
PARTICLE SIZE DISTREBUITONS (NUMBER/N++3-44) SAMPLE: 199 FLIGHT EP9-04 ON 24 JAN 79 1 SECOND AVERAGING INVERMAL STRIP+21118143\*
PARTICLE SITE DISTRIBUTIONS (NUMBER/Me+1-44)
TYPER 4AIN SAMPLE: 198

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CAL FACTOPE TOTALS 6.86E-81 112 FROSTPOINT -16.2 4LT (KM) TENP (C) -17.6 TAS (M/S) 138.9 NT (N/H3) 2499862.8 î. TESTANCES 100 FT 3.678+93 2.54E-32 -19 PRECIP PRESSURE: 18 PST HZO FLOW RATER 23 GOM 3. 2.075+64 4.145+64 7.915+64 6.35E-C1 189 C. 303 STZE (40) 3.47E-01 21 SCATTER PROBE • CAL FACTORS TOTALS 6.3%F-01 116 FOOSTPOINT -16.3 145 (M/S) 131.3 ALT (KH) TEMP (C) NT (N/M3) 2344852.7 P (MS) 549.9 DISTANCE: 100 FT \*\*325-12 \text{.09} 6.27E+33 PRECIP PRESSURES 13 PST HZO FLOW RATES 23 GPM 5.315-11 113 C. NU. \$12E 1.69E+89 3.47E+89 8.73E+49 1.23E+10 2.85E-01 2E SCATTER

AFT2 IST45 SP44F TEST BF AFGL
FLIGHT E79-04 NY 24 JAN 79 1 SFSOND AVERAGING
TYTERAL STATI-23116148\*
PARTICLE SIZE DISTABLISH (NUMPER/M\*\*8-44)
TYPE: AIN AFFI TOTNG SPAN TEST BY AFSL F\_ISHT E79-F4 ON 24 JAN 79 1 SECOND AVERSING TYTERAL STATE\*2\* 118145\* PARTICLE STY DISTRIBUTIONS (MUMRRANS\*\*44) FLOW Dayer 23 COM

SAMPLE1 193

; CAL FACTORS TOTALS 7.46E-01 F 2 0 STP0 I NT - 16. 1 ALT (KO) 4.866 TEMP (C) 145 (M/S) 130.5 P (MB) 549.1 NT (N/NE) 2451715.1 DISTANCES 100 FT 6.52E+33 1.55E+31 4.39E-82 PROSE FLIN RATES 23 624 2.033 7804£ 150 SCATTER PROME 2.84E-01 9.0 oRESSUPER 13 PST CAL FACTORS F 2 0 S T P 0 I M T - 16. 3 TOTALS 8.31E-01 196 ALT (KM) RT (N/M3) 2223841.3 TAS (M/S) 549.9 7EMP (C) -17.6 DISTANCE: 109 FT 2.51E-31 484 3.825+34 PRECIP 5.80E-L1 7.033 できたのにははははないのできます。 PRESSURE: 13 PSE 420 SCATTER PROBE 3.36E-01

聖養官官在在 日本

1911年の1911年間のある。1911年の1918年間の1918年間の1918年の1918

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SAMPLE 199

196	CAL FACTORE	F (MB) 551.8	A1 7 (PM)	-		TEMB //-	A . 46-	:	FROSTONTAL	A. 0.2		115 (M/E)	424.4		174/11/	4071751	0.00		4. 40E. 84	1861
EST BY AFGL 1 SECOND AVERAGING 1 1 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DISTANCES 108 FT	PRECIO Probe	2.785+14						: =		: =					: :		:	1.875-81	909
1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S	DISTA	SIZE (MU)	4 64	64.7	1	124.1	1518	1835	2132	2429	2726	200	3 3 3 5	1617	3914	1211	4 20 4	•		
AFFT) ICEMS SPRAY TEST BY AFEL INTERPRESS BY AFEL STATES 128 128 120 120 120 120 120 120 120 120 120 120	420 FLOW RATES 23 GPM	5,000 3808	7.346+67	4.7 6E+B7	2.45F4F7	1-196+67	4.496+65	3.365+65	1.175006	5.225+05	4.026+65	3.51E+C5	1.517+65	1.435+55	8.3156.6	5.558+84	4.37E+B4		4.965-61	115
195 ON 197 TE	FLOW A	(NF)	2	£ 3	62	9	132	12.2	142	161	1.91	2,1	22.1	24.2	263	240	503			
		SCATTER PROSE	7.11E+86	9.25€+47	1.65E+is 8	3.275+06	2.77E+08	2.20E+0B	1.56E+0A	1.146+18	2.28E+48	7.116+67	1.14E+08	5.63E+£7	6. 43€+67	7.11E+07	2.84E+07		9.696-03	
SAMPLE: 190	PRESSURE: 18 357	SIZE (MU)	~	•	·r	70	1.	12	*	16	97	2	22	72	92	82	2		CH2	450 0
	8.6																			
1NG	CAL FACTOR	P (HR) 558.8	ALT (KP)	4.863		TEMP (C)	-17.3		F.OSTPOINT	-16.1		14S (M/S)	130.5		NT (N/PR)	2359629.7		TOTALS	9.57E-01	183
CING SPORY FEST BY AFGL. 5 JAN 79 1 SECOND AVERAGING 5 STARTS-21181443 52 RAIN	DISTANCE: 100 FT	PRECIP	5.16E+14	•	÷	•	•					•	•	÷	•	;	•		3.335-11	4 5 7
7 TEST 1 5 1 118143 (NUMBE	01574	S12E	7	547	**6	1541	1536	1835	2132	2429	2726	1023	3320	3417	416£	4211	4506			
2 121% SPGAY FEST BY AFGL 25 JAN 79 1 SECOND A AL STATI-21138149* ISSE18JIONS (NUMBEA/M++3- TVPER RAIN	17E1 23 6PH	C7.043	9.27E+87	6.196+67	2,325+1.7	1.862+37	6.21E+86	3.432+66	2.1 4.466	1.1.5+64	7.705+55	T.+6E+C5	1.275+65	1.76515	1.145+05	1.135+"5	9°54E+04		6.136-61	111
AFFT: 14TERVI SI 7E OIS	FLOW KATES	\$12E ( 10)	23	*	62	42	705	155	142	161	1.91	777	22.1	792	16.5	187	133			
PETCHT EPS-SE ON 24 I STERNAL PARTICLE SITE DIST	#50	SCATTER	3.75E+u8	3. 41E+09	8.46E+69	1.136+10	9.42E+59	6.936+09	6.035+09	4.396+69	4.67F+C9	3.158+29	2.66E+09	1.7JE+09	1.645449	5.12F+69	7.85€+38		2.355-01	20
SAMPLE 199	PRESSURE: 18 PSI	S 7 Z E	<b>~</b> i		ۍ	•	9	15	2	92	97	2	22	2	\$2	25	33		3	MED D

;

CAL FACTORE 9.8 FROSTPOINT -29.5 T-69E-01 ALT (KM) TEMP (C) -27.9 TAS (M/S) 128.7 NT (M/H3) 2092941.8 DISTANCE: 180 FT 3.32E+94 \$12E (M) 9.0 PPESSURE: 10 PST HZO FLIM RATE: 23 GPM 3, 03u \$17E 2.12E-02 20 22577255775 235775577777 TOTALS 5.41E-01 120 FR057P01MT -16.0 TENP (C) TAS (M/S) 138.5 NT (N/M3) 1912764.0 P (MR) 558.1 4LT (KH) 4.861 DISTANCES 100 FT 6.u2E+] 4 1.55E+]1 4.02E-72 406 PRECTO PROSE @ ... 4 C ... 6 C ... FLOM RAYER 23 GOM PRESSURER 18 PSI H20 SCATTER PROBE 

SAMPLE: 193
F\_1GHT E79-04 ON 24,18N 79
I BECOMD AVERALING
INTERVAL STATIGHTHISSIA
PARTICLE SIT DISTRIBUTIONS (NUMBER/MEWS-HY)
IYDE: RAIN

SAMPLE: 19C WFFT ICING SPRAY FEST BY AFGL
F\_ISH 79 1 SECOND AVERSTHOS
1 SECOND AVERTICAL

SAMPLE: 19C AFFT; ICING SPRMY TEST BY AFGL. FLIGHT E79-B5 JN 79 1 SECOND AVERAGING	I 47ERVAL STARTI +21 124 125	PARTICLE SITE DISTRIBUTIONS (AUGUSTALAND)	PLPS SELECTION
SEMPLE 19C AFFI INTER FORM TEST BY AFFI F.EGHT E79-85 ON 25 JAN 79 1 3500MO AVERAGING	TATERARI STARTS - 21 120125 *	PARTICLE SIZE DISTULDES (NUASER/HAT)	THE SUGAL

9.1								F									•		•
CAL FACTORS	P (MB)	ALT (KM)	F. 86.3		TEMP (C)	-27.4		FROSTPOINT	-29.3		TAS (M/S)	128.7		NT CH/H31	1466797.2		TOT 41.	5.56E-11	11
DISTANCE! 100 FT	3603d	1.966.34	÷	<b>:</b>			_:	-	÷		•	•	:	÷				1.836-31	434
915T4H	STZE (MU)	•	3	ż	1241	1538	1635	2132	6242	2726	1623	1326	3617	3914	4211	4538			
420 FLIM RATES 23 GPM	0.000 7.005	5.39€+57	4.575.67	2.44.677	1.2% + 6.7	5.39E+f6	3.386.66	1.175.06	5.216+65	3.485+05	1,176+05	9.65€+64	1,37E+64	3.365+1+	3.1 35.6.	2.552.64		4.5 TE-C1	105
FL'S R	S125	23	M #	62	82	102	122	1+2	161	141	201	122	<b>**1</b>	260	280	.0.			
	SCATTER	•		4.27E+87	4.27E+07	2.84E+07	-		7.11E+06	7.11E+06	7.11F+06	7.11 6+86		7.11€+36	.;			4.156-84	12
CAL FACTORS 9.0 ORESSURET 18 PST	STZE	٨٠	•	.0	•	=	15	1	91	87	62	<b>2</b> 2	2	\$2	2.9	<u></u>		3	MED 0
3.1																			
CAL FACTOR	P (MP) 551.8	4LT (KM)	6.8.9		1E46 (C)	-27.9		Figstontal	-29.4		145 (4/5)	128.1		H* (1/42)	2161915.0		TOTALS	7.385-91	145
DESTANCES 100 FT	98€C*9 P933€	2.926+34		ę,		3.	•		.;	.;			ċ		3.			1.925-11	* , *
DISTAN	S12E	77	249	446	1261	1518	1935	2112	2429	272€	1823	732 C	3617	+161	4211	458 P			
NE 1 23 624	3,030 3,030	7.58E+1.7	5.165057	2.8 65+07	1.335+67	5.76=+65	3.9 95.05	2.395.65	A.23=+85	4.5BE+F5	1.175.65	1.346.65	1.445+05	9-156-64	9.9 7 5 6 4	5.22E+C+		3 * + ÷ £ - £ 1	113
N20 FL3M RATE! 23	3712	2.2	*	62	0	10,	122	147	161	191	10.	325	14.	253	23.3	£ 13			
	SCATTER	7. 1×E+36	7.1.6.67	1. 36E+88	2.078.08	1.356+60	1.855+39	1.146+68	9.295+87	1.375+64	7. 85E+17	2.146+07	4.29E+67	5. 43E+u7	2.1.2.67	6.29F+C7		6. 345-63	<b>*2</b>
PRESSURER 18 251	\$12E (MJ)	~			•	£1	2	#		97	2	22	2.	2	52		1	3	0 C34

SAMPLE: 19G FFFF TING SPANTEST BY AFGL TROPENTING FLIGHT 279-65 24 25 144 79 1 512003 AVERTING THE PARTING TOURS SANTHEST AND THE SALL TROPE, SALL TROPE SALL

:																		
CAL FACTORE	P (MB) 551.5	41.7 (47)	F. 98.4	TEMP (C)	-27.8		FROSTPOINT	-29.3		TAS (M/S)	17871		NT (N/H3)	7288812.9		TOTALS	5.566-81	103
DESTANCE: 169 FT	PRORE	2.566+13	1.59E+81 0.		-	<b>:</b>	:	ë	<u>.</u>	:			:	<u>:</u>	-		1.755-12	ļ
DISTA	\$12F (UJ)	3	i	1241	1538	1835	2112	5429	3776	3823	3420	3617	4165	4211	456			
flow pates 23 6PM	01.003 93.095	7.356.67	5.7 JE+67 2.55E+67	1.63€+67	6.35€+65	2.50E+86	1.535.66	9. 66. 465	5.125.65	2.35€+65	1.525+05	7-185+64	4.395+64	3.336+04	2.215+04		5.*25-01	197
f いいり	517E (49)	2	. v	82	702	122	16.2	161	181	22	122	24.5	268	28.9	39.6			
450	SCATTER PROBE	5.712+87	6.57E+47	4.648+88	4.47€+88	2.71F+08	2,29E+88	2.14E+68	1.35E+88	1.36E+08	1.715+68	7.146+67	3.57E+87	3.578+87	<u>-</u>		9.455-83	<b>58</b>
9.8 PRESSURER 13 PST	SIZE	Nr .	ar v6	•	13	15	*1	15	<b>3</b>	\$2	22	**	92	82	38		2	0 034
CAL FAFTON	651.6	1 (KH)	4.042	TEMP (C)	-27.9		FROSTPOINT	-59.4		TAS (M/S)	126.2		N. (N/H3)	1562666.8		TOTALS	4.38E-01	113
DISTANCE! 178 FT	36096 61036c	2.136+13	1.556+11				•	ę.	•	•	9.	•		•	-		2.136-12	<b>2</b>
SISTA	(Ch) 3215	3	• • •	1541	1536	1935	2132	6446	2726	3023	1325	3517	191 4	4211	4588			
761 23 504	7,00J	6.335.67	7.196.1.	1.385+67	5.386+05	7.112.16	1.) 32.66	5.235+05	6.58E+35	1.17E+(5	1.510+65	3,5950.4	3.995.03	4.23E+64	2.775+0+		*. 39E-B1	113
420 FL14 MBTER 23	S17E (40)	. 3		35	192	122	1+3	161	161	7.2	147	247	168	9.62	99			
	SCATTER PROBE	2, 146+37	2.146+87	2,345+08	1, 645+58	8.55E+e7	9.28E+.7	8.556+67	5.716+87	3.576+67	4. 29E + 87	1,57E+87	7.135+86	7.13€+66	7.13€+06		3, 316-03	82
PRESSUPER 11 PST	3718 340)	10		•	70	21	:	91	27	2	22	*	92	62	200		3	MED 0

SAMPLE: 19C 1FFT ICING SPRAY TEST BY AFGL INTERPLED ON 25 JAN 79 1 SICOMO AVERAGING INTERPLED 120128 PARTICLE SIZE OF STARTF 21120128 PARTICLE SIZE OF STARTF 2112013 WUNDES/MP\*7-HY)

SAMPLE: 19C 4PFT2 ICING SPRAT TEST BY AFGL F\_IGHT E79-85 ON 25 JAN 79 1 SECOND AVERAGING INTERNAL SHAFFT + 21128189\* PARTICLE YIZE DISTRUMINGER/H++3-44) TYPE: RAIN

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CAL FACTOR	P (ME) 551.5	ALT (KH) 4.863	TEMP (C) -27.8	F.COSTPOTNT.	18S (H/S) 127.5	NT (N/M3) 3:7:3876.5	10TALS 1.17F+00 175
DISTANCE: 108 FT	PRECIP	5.86F+14 0.			 	•	3.85E-11 404
MISTA	STZE	17.3	1541	2132 2429 2726	3823 3320 3617	3914	
FLOW PATER 23 GPM	360 to	1.37E+6B 7.90E+C7 4.32E+07	1.75E+17 8.815+06 6.29E+06	1.325+06 1.135+06 6.77E+05	3.25E+C5 3.25E+C5 1.44E+05	1.30E+65 1.17E+L5 1.35E+05	7.85E-C1 113
FL34 P	S*2E	6. 1.0 W W W	222	355	222	285 285 500 500 500 500 500 500 500 500 500 5	
02H ISc 01	SCATTER PROBE	2.51E+08 9.33F+08 2.80E+49	3.57E+09 2.85E+09 2.14E+69	1.62E+09 1.u7E+09 1.32E+09	9.75E+88 8.33E+68 4.24E+48	4.89F+69 1.87E+19 1.94E+68	7.03F-02
PRESSURE: 10 3SI	STZE (MU)	O e 10	* 32	4 S 4	22.22	9 8 8 8 2 8 8 8 8	LMC HED D
9.0							
CAL FACTOR	P (MB) 551.5	ALT (4H)	TEMF (C) -27.8	F20STP01NT -29.2	128.4	NT (N/M3) 2965134.3	TOTALS 6.13E-91 175
DISTANCE: 100 FT	PRECIP PRO9E	1.576+14	:::	တ် တိ တိ	e . e	•••	1.055-91
DISTA	STZE (NU)	124	1241 1538 1835	2132 2429 2726	3323	3914 4211 4518	
NEI 23 6P4	3409E	3.32E+67 5.26E+67 2.45E+67	1.15E+07 5.902+06 2.54E+16	1.9 15+66 3.7 35+65 9.5 465	3.52E+f5 2.36E+f5 1.47E+05	6.705+64 3.835+64 9.935+64	5.28E-61 116
HZO FLOW RAT	572E (4U)	8 7 8	62 132 127	161 151 191	222	299	
	SCATTER PROBE	1,14E+08 3,93E+68 1,23E+89	1.42E+09 1.23E+09 1.11E+09	8.49E+.8 5.2JE+39 5.53E+88	4.49E+88 4.50E+08 3.42E+08	2.21E+08 1.5JE+38 9.25E+67	3.705-02
PRESSUREI 18 PST	SIZE	O t. 10	97 7 73	3 2 2 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2¢ 2¢ 2¢	28 28 30	LNC HED D

SAMPLE: 197 F. ISHT E79-05 ON 25 JAN 79 I SECOND AVENAGING INTERVAL STATTP-221203 31 PARTICLE SIZE DISTAIDUILONS (MUMBER/M0+3-44) SAMPLE: 19C FLIGHT EP9-05 7N 25 JAN 79 1 S.COND AVERAGING INTERMAL STAFTS-21120129\*
PARTICLE SIZE DISTRIBUTIONS (MUMBER/H+93-44)

	9.6																				
	CAL FACTORS	Q (MB)	551.5	ALT (KM)	6.843	•	TEMP (C)	-27.9		FROSTPOTMT	-29.1		TAS (M/S)	127.3	· :	NT (N/M3)	34.34.050. 5		TOTALS	9-965-11	122
	JISTANCE! 108 FT	PRECTO	PROBE	6.465+03	1.595+01															4. 31E-32	904
	JISTAA	512.	ŝ	484	647	116	1241	1538	1835	2132	2429	2726	1023	1320	361.7	391 4	6211	4508			
TYPEC SAIN	RATES 23 GOM	000	3€02€	1.25E+08	3-345-67	4.975+6.7	1.395+07	1.306+07	5.362+66	2.505+36	1.15€+66	7.86E+45	8.575+05	2.93E+05	2.1 7E+05	1.716+05	1.35E+85	8.316+64		9.5 35-01	117
-	HZO FLJW RI	SITE	Ş	8	*	52	8	132	122	142	191	191	102	123	142	96	904	200			
		SCATTER	FROME	3.81E+08	1.116+03	3.43E+09	4.25E+03	3.576+49	2,67E+09	2.17E+09	1.505+99	1. 71E+89	1.07E+09	1.245+09	6.47 €+08	5.82E+08	3.52E+88	3.02E+08		9.61E-02	72
	9.0 PRESSUPER 10 2SI	2218	OH)	~	÷	•	•	10	75	=	ÇŢ	<b>8</b> 7	2	26	42	97	52	36			MED D
	CAL FACTOP: 9.	(AP)	5-1-5	ALT (KM)	4.843		TEMP (C)	-27.8		FROSTPOINT	-29.2		TAS (M/S)	127.7		RT (N/MM)	2356F13.8		TOTALS	1.16F+80	272
	DISTANCE! 100 FT	PRECIP	PROSE	7.726+34				•		•	;		:	•	•	•		•		5.0711	÷
	TETAN	321S	ŝ	70*	6+7	944	1241	1538	1935	2112	2429	2726	3823	3320	3617	3914	4211	4518			
IYDES ZAIN	TE 23 6PM	C-00.5	9403E	8.545+67	5.155.17	3.295+67	1,345017	6.375.06	3.855+05	1.546+60	1.10E+06	5-135+63	3.546+83	2.326+05	3.5uE+P4	7,45546	1.546+05	1.305+03		6.51E-01	119
_	420 FL)# PATER 23	SIZE	ê,	23	£ *	29	9.2	102	725	142	161	161	201	22.1	142	955	28.0	304			
		SSATTER	380ac	3.016+68	7.69E+38	2.63E+09	2.825+89	2. 36E+09	1.70€+49	1.762+89	9.17E+08	1.09E+03	7.81E+08	7.02E+09	4, 37E+68	3. 59E+4B	1.72E+08	2.15E+08	!	6,16E-12	<b>1</b> 2
	PRESSURET 10 PST	5175	(#)	~	•	•	•	7	15	<b>‡</b>	16	2	2	22	2	92	82	<b>F</b>		<u>,</u>	0 031

9 2	CAL FACTOR	9.148) 958.4	ALT (KM)	4.052		TEMP (C)	-27.9	Factorial	8-52-		18/4) 511	128.1		NT (N/M3)	1.2406262	TOTALS	6.77E-81	114			281			CAL FACTORS	550.9	ALT (KM)	4.852	Temp //	-27.9	•	FROSTPOINT	-59.8	100 00 00			MT (N/H3)	3414627.2	Taras	A. 47E-11	211
COND AVERAGIONO AVERAGI	DISTANCE: 139 FT	PRECTO	5.438+37	4.75E+81	•		<b>.</b>		: =	: :	•		<b>:</b>	•	•	•	4.836-32	697		Y AFGL	COMP AVERAGE	(Hee 1,44)	,	DISTANCE: 100 FT	PRECIP	5.846+13	3.166+11				:	<b>.</b>	<i>:</i> .				•	<b>:</b>	3.476-42	5
'TEST BY AFGL 1 SECOND A 828134** (NUMBER/****	DISTAN	SIZE (MU)	7.07	2.5	416	1541	1538	1635	24.20	2726	3123	3320	3617	7166	177	200				rest e	1 3	SININ		DISTAN	S12E (NJ)	404	66.7		1538	1635	2132	2429	2726	3328	3617	1914	1124	9 8 4		
FIGHT E79-85 ON 25 JAN 79 15ST BY AFGL FIGHT E79-85 ON 25 JAN 79 1 SECOND AVERAGING TYTERAL STATE-21528 38 PARTICLE SIZE DIRENMOSS-MM)	FL)N KATEI 23 GPM	7.000 7.000 7.005	9.35€+47	6, 86E+B7	3,31€+67	1.66E+07	7.96E+r6	3.345.00	7 2 15 16 1	3.775+65	3.236+ 5	1,522+65	2,162+63	1.215+5	7 3+24 2 9	4.305454	6.375-61	183		AFFT: TOTAS SPOAY TEST BY AFGL	FILEST DIGHTON OF 25 JAM 79 1 SHOOMD BYSTAGING	(PPTROOM/COMMIN) SMCIJICATIS TANKEDI I	TYPE: 3AI4	HZO FLOW KATER 23 GP4	3602e	1.255+68	8.565+£7	1. 1. 1.	1.86.407	4.916.86	2.455.46	1.186.06	6.476415	5.2 OF 46.5	1.08E+ES	3.4.464	8.28E+64	20422404	A.575-61	110
4FFT3 45 04 1VTERV SIZE DI	FL) W KA	\$12£ (40)	23	*	20	£.	201	271	2 .	191	7.	727	14.	9						AFFT.	50.04	I II TRU		FLOW KA	3126		<b>m</b> (	2 0	4 6	122	15.3	191	2	100	241	36.0	280	25		
C FLIGHT E79- PARTICLE	H20	SCATTER PROBE	9. 296+67	3,555+08	1,276+09	9.01E+89	7.655+88	6.15E+03		3,2254.8	2.72E+C8	2,235+40	1.22E+68	1. COE+68	7.855.07	4. 23E 4 L/	1.486.67	200		v	FLISHT E79	DADTICLE	4404		SCATTER 2409E	6.00€+68	1.ofE+u9	5.6/E+39	6. 16. 16.	4. 64E+89	3.94E+69	2.96E+89	3.32E+09	2.176.489	1.546+09	1.195 +09	6. *6E+#8	6. 79E+B8	1.045-64	z
SAMPLE: 19C	PRESSUPER 19 PSI	S125 (UH)	~	*	۰	•	77	15	* 1	9 5	78	22	7.7	92	92	ř.	2	2 2 2		SAMPLE 1 190				9.8 PRESSURE: 10 PSI	10m) 2215	•		۰ هـ	• •	2 -	: 3	91	87	200	: 2	92	<b>92</b>	2	9	MED D
	1.6 1.																																							
S.	CAL FACTOR	551.2	ALT CKM	4.847		TEMP (C)	-27,9		1 10d I 50 c 4	1.63-	T 65 (M/S)			NT (N/H3)	2:95612.6	* * * * * * * * * * * * * * * * * * * *	TOTAL V	1977			TRG			CAL FACTOR	P (MB) 551.1	BLT (KM)	6,8,4		15 4P (C)		FRASTPOINT	-29.1		428.8		NT CINVIES	2200012.0		101 ACS	116
57 97 AFGL 1 > ECOND AVERAGING 1832 • PRODAMY	THE LABOR LIN FT	PRESIP	5.2256437	1.586+11		•	•	•	. ئ	•	; _	: :	•		•	<b>.</b>	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	31-351-4		IV AFGL	COMO AVERAS		SIZE DISIDLE RAIN (NUMBER/AND)	TSTANCER 169 FT	PRECIP	1.446=14		•				-	÷.		: 4		:	•	0.496-19	***
7257 9 1 2E 1291324 (4UM)523	11510	SI7E (41)	1	3	46	124:	1536	1915	21.75	6242	20.2	1126	1417	161	4211	¥ 58 8				TEST		120133		TISTE	S12E (4J)	454	6.47	36	1521	1999	2132	5459	2726	3023	3517	3914	4211	1516		
TITME SPOAT TEST BY AFGL. 15. STANTINGS 12000 AVER. 15. STANTINGS 1220. 15. STANTINGS 12000 AVER. 16. STANTINGS 12000 AVER. 16. STANTINGS 1400 AVER.	FE 23 6P4	25.000	4 2 4 5 4 5 4	5.45567	3,105467	1.5.54.7	9.395+16	4.316+16	2.155.455	7.43E+[5	701050	2.21.006	7.1970	9.5 95+ 6	1.28E+1	7.396+14		5.3 BE - 6.1	İ	TOTING SPOAR TEST BY AFGE	25 JAN 73	AL STARTIFE	STELLEUTINS TPER RATH	TE 2 500	2.010 #103E	3.747.6.7	6.375.67	2.595+67	3.47E.b.7	2 . 10C+L5	1.575+66	7.7 45.4.3	2.705.85	1.75.00.	3.500	3.22E+E+	2.99€+64	2.5%+64		182
4FFT2   5 010 20 12 14 ER4A	NZO FLOW RAT	\$176	;		, c	26	192	221	241	3		2	12	ž	25	Ç				AFFT	15 GM	111584	SI ?? 18	TAG ME DAT	312E (40)	3.5	:5	29	Ž,	3	797	151	191	<b>T R S</b>	7		28.3	ĭ		
FLIGHT E79-85 ON 25 FLIGHT E79-85 ON 25 PARTICLE SIZE DISAL	ISa	SCALTER PROBE		1, 00C vp	2. 175 . 84	2,355+69	1.816+63	1.236+19	1.155+69	6.43E 4.3	6.295.86	1	3, 766 + 64	2.875.68	1.295+68	1. 27.5+00		*. 25F-E2	<b>?</b>		FLIGHT E79-		PAPTICLE	2	SCATTER PROPE	2. 78F +88	9.636.00	2.916+89	3.63E+89	69+34£°2	1.525+89	1.245+19	1.21E+89	9.725+88	A 265 + 8 A	2.65.68	1.875.48	1.436+00		54-344-0
SAMPLE: 19G	PRESSURE: 18	517E		<b>~</b> 4				15	=	9	5	<b>8</b> 7	3 2	. <b>%</b>	٤	23	***	2		Chapte 1 190				190 69 196119900	 STZE (MJ)	۸		•	•		¥ <b>5</b>	2	=	<b>X</b> :	3 2	5 %	582	ž	1	100

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AFFI ICING SPRAY TEST BY AFGL
FLIGHT E79-04 ON 24 JAN 79 1 SECONO AVERAGING
I 17EMAL STRYT\*21119126\*\*
PARTICLE SIZE DISFAROUTONS (NUMBER/MP03-04)
TYPE: RAIN 2 SAMPLE SAMPLE: 19C AFGL SPT2 ICING SPTAY TEST BY AFGL F. IGHT E79-85 ON 25 JAN 79 1 3:COND AVEPAGING THE STATE 21:20:35 PARTICLE SIZE DISSIPPLIANS (NUMBER/M\*3-44)

CAL FACTOR: 19-8 707ALS 5.22E-01 115 FROSTPOINT -14.8 TAS (M/S) 131.6 NT (N/H3) 2,18608.6 7E#P (C) -16.3 ALT (KN) 4: 866 2.696-12 BERTAL WORLD WORLD AND COLUMN TO A PAR WORLD WOR SIZE FLIN RATES 25 GP4 9.99 9.10 4,35E-C1 110 \$12E H20 2.78E+6 11.11E+08 11.11E+08 11.10E+08 2.78E+67 4.87E+67 2.78E+67 2.89E+07 2.89E+06 6.95E+06 SCATTER PROBE 15c et PRESSURE 8333533225°° 9.6 CAL FACTORS TOTALS 9.26E-01 112 F 2 0 S T P 0 I N T TEMP (C) T&S (M/S) 128.4 PT (N/H3) 11 (KH) P (MR) 558.6 7.085-12 4.54E+33 1.58E+31 DISTANCE: 190 FLJW RATES 23 GPM 3,95ë-01 103 C. 033 202 5.77E.088
6.24E.098
6.24E.098
6.24E.098
6.24E.098
6.106E.099
6.106E.099
6.106E.099
6.106E.099
6.106E.099
6.106E.099
6.106E.099
6.107E.098 1. \*\*E-01 21 SCATTER PROBE PRESSURE 18 PSI - 17444422555 8885 8885 8885

AFFI ICING SPRAY TEST BY AFGL
FLIGHT EP9-04 ON 24 JAN 79 1 SECOND AVERAGING
INTERFAL STAFFF PA 139127\*
PARTICLE SITE DISTABILIBMS (MUMBER/Mews-qu) AFFI: ICING SPAN TEST BY AFSL F.IGHT E79-65 ON 25 JAM 79 1 SECOND AVERAGING THISTALL STRETFUZERERTS? PARTICLE SIZE DISTABILITIONS (NUMPER/W\*\*3-M\*) SAMPLE: 190

CAL FACTORS 101ALS 4.99E-01 114 FR057P01MT TAS (M/S) 131.5 HT (H/H3) 1586689.4 TEMP (C) -16.3 ALT (KM) DISTANCE: 100 FT 6.56E+93 SAZE (MU) BUT AT ME ON ME TO AT MENT OF THE MENT OF FLJ# RETES 25 GPM 4.55E-01 111 7.0J) SIZE (49) 120 4. 534 4. 554 4. 554 5. 554 6. 654 SCATTER PRORE PRESSUREI 19 PSI S12E CAL FACTORI 101ALS 9,74E-01 163 F 20STP01 NT -26.9 TENP (C) -27.9 TAS (M/S) 128.9 NT (N/H3) 2582712.6 4LT (KM) 55C-7 DISTANCES 100 FT 3.646-01 5.235+14 986CTB FLIN RATES 23 GFM 7.276.1 7.276.1 1.00.2 2.000 P4.09E \$17E PRESSURET 13 =ST M20 2.87E-01 21 SSATTER PROBE おいいい はいけい はいりゅうりゅうしょうしょうしょうしょう はいいい はんしゅう

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SAMPLE: 20 AFFI ITING SPRAY TEST BY AFGL FIGHT 24 JAM 79 1 SECOND AVERAGING THERMAL STRITESISHSSO PARTICLE SIZE DISTABLIZAS (NUMBER/NO-83-M4) SAMPLE: 26
F.IGNY E79-0- ON 24. JAN 79
1.3520MD AVERAGINE
THTERRAL, SARTI-21110229\*
PARTICLE SIZE DISTRIBUTIONS (NUMBER/NO-3-44)
TYPER QAIN

PRESSURE: 10 PSI		PLOM .	MED FLOW PATES 25 GPM	PISTAN	DISTANCES 100 FT	CAL FACTOR: 18.8	PRESSUREI 19 PSI	UZH ISc CT	FL04	RATEI 25 GPM	)1ST4	DISTANCE: 180 FT	CAL FACTOR: 18.8
SI ZE (MU)	SSAFTER 3408E	3218	5. OU3	SIZE (4U)	PRECIP PROME	550.4	SIZE (MU)	SCATTER PROME	STZE (4U)	2,003 04,08E	\$17£ (MU)	PRECTP	650.3
^	9.668408	2.3	70+96+07	707	6.088+13	OLT (KH)	~	1.225+09	23	8.105+06	3	1.936+11	ALT (KH)
	2.54646	1.1	5 . P. RE+C. 7	647	3.085+31	4.857	*	3.135+03	r t	7.19E+C6	\$	3.08F+01	4.859
• •	2 5 6 6 4 8 9	3	3-126+07	110			•	7.77E+09	62	3.535+60	116	•	
•	1.875411		1.74.417	12+1		TEMP (C)	•	1.316+10	6.	1.545+66	1241		TEMP (C)
• •	1.855410	182		1538		-16.4	97	1.305+10	10 2	1.31E+66	1536	•	-16.6
:	7.596+63	123	•	1815			75	1,135+10	122	5.53E+f 5	1835	•	
: :	A. 715+89	142		2132		FROSTROINT	4	1 36+13	145	7.37E+05	2112	•	FROSTPOINT
: =	P14363.4	161		2429		-14.7	16	7.17E+69	151	1.465+13	5429	-	-14.7
	P. 97 F + 10	181	•	2726			10	6.37E+69	141	2.5.3E+L 4	2726	:	
: :	4.54.6	7		₹023		TAS (M/S)	2 <u>.</u>	5.35E+09	101	2.37E+L+	3023		TAS (M/S)
; ?	1.026+03	22.		3 32 C		171.	22	4.63E+09	121	1013510	1326		131., 7
1 7	0 1 L V F + C G	7.74	Ī	1617			\$	3.27E+09	:•1	3.5.5+64	1617		
		4		100		NI (N/MS)	26	2.325+49	.63	;	7 162	ę,	NT (N/M3)
9 ,	10411			121	• •	2732722.4	2	1.156+03	28.3	9	4211		287248.5
	404166		1 2 2 2 4 5 7		: 3		S	1. 79 5+69	133		4500		
2	30 7 0 6	•		•	<b>;</b>	TOTALS	}						TOTALS
9	2.5AF-01		5.5 AS-61		5.44=-32	7.13E-01	C#1	4.245-01		7,355-62		1.436-73	7.496-02
#£0 0	24		113		404	126	HED 0			111		633	112

SAMPLE: 26 1FGHT E79-02-03-72NG SPRATTEST RV AFGL INTEGRATE TO A SECOND AVERAGING THE STATE STAT

CAL FACTOR: 18.8	550.3	ALT (K4)	4.859		TEMP (C)	-16.5		FKOSTPOINT	-14.7		TAS (M/S)	132.8		NT (N/HS)	201869.1		TOTALS	6.23E-02 125	
DISTANCE: 100 FT	PREDIP DROBE	1.92E+31	7. U7E+31	÷				•		÷	:	•	÷	•				1.42E-03 633	
01514	SIZE (MU)	407	2 49	716	1241	1536	1835	2132	2429	2726	3923	3326	3617	3914	4211	4506			
420 FLIN RATER 25 GPM	5,003 P263E	2.318+66	4.505+66	3.115+66	1.116+00	5.336+15	5.395419	2.15E+C5	4.345464	2.51E+64	2.95E+5+	3.1 66+04	6.975+84	÷		;		5.49E-62 123	
FLIX	S 17E	2 3	5	62	42	13.2	122	14.	161	191	101	1,1	241	26.3	2.80	31,			
	SCATTEP *R38E	1.03E+19	3.11E+09	7.645+19	1,265+10	1.235+10	9.61.09	6.36E+09	6, 36£+09	7,036+63	4. 66E+09	4,15€+09	2,68E+C9	2,095+09	9,776+00	1.63€+69		3,73E-01 21	
PPESSURE: 13 3ST	S12: (MU)	Q.	**	•	•	13	12	<b>1</b>	91	87	20	2.	*2	92	<b>58</b>	30		1.80 1.60 0.00	
CAL FACTO** 18.0	4°055	(##)	4, 857		60.0	-16.5		POINT	-14.7		TAS (M/S)	141.2		/M3)	63.7		TALS	3.35E-01 119	
S		ALT	•		1			F 2 0 S 1			TAS			E	1159463.7		<u>~</u>	m	
	PROSE PROSE		3,09£+)1		16+			B. F.20S1	•6		0. TAS			D, 11 C	11594		£	1.91E-12 3.:	
DISTANCE 100 FT C	SIZE PRECIP (MJ) PRO95	2.715413				ق خ	•		•				ě				•		
GP4 DISTANCE: 100 FT	•	7 616 2,796613	3,095+31	7 944 6	6 1261 0.	5 1538 G.	6 1935 0.	6 2132 8.	5 2429 3.	5 2726 0.	5 3623 0.	4 3328 4.	4 3617 8.	4 3914 6,	k 6211 0.	* 4588 0.	3		
GP4 DISTANCE: 100 FT	SIZE	7 616 2,796613	7 567 3,095+31	7 944 6	7.305+16 1241 0.	5 1538 G.	2.5 mg + 6.5 1.035 0.	1.125+66 2132 0.	5.33E+85 2429 3.	2.53F+ES 2726 0.	1.63E+E5 3023 0.	9.475+14 3328 3.	3.51F+f4 3617 0.	7.34E+04 3914 0.	2.536+64 6211 0.	1.936+05 4588 0.		11 1.91E-12 411	
DISTANCE: 100 FT	4 3215 CCC"C	7 616 2,796013	43 2-945-67 567 3-09E+31	6.5 1.35;+[7 944 0.	42 7.30F+T6 1244 0s	4.15E+L6 1538 G.	122 2,5 46+66 1835 0.	1,125+65 2132 8.	461 6.335+85 2429 5.	181 2,335+05 2726 0.	201 1.43E+C5 3023 0.	9.475+14 3328 3.	241 3,51F+f4 3617 0.	26.3 7.36E+04 3914 B.	28.3 2,536+64 6211 0.	1.936+05 4588 0.		11 1.91E-12 411	

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AFF: ICING SPRAY TEST BY AFGL
F.IGHT E79-04 ON 24 JAN 79 1 SECONG AVERAGING
INTERNAL STRETT\*\*\* STATE\*\*\*
PARTICLE SITE DISHIBULIONS (NUMBER/H\*\*\* 3-M4) SAMPLE: 20 AFFT. ICING SPRAY TEST BY AFGL
F.IGHT E79-84 OV 24 JAN 79 1 SECOND AVERAGING
THERMAL STRAYTH-21 119 32\*
PARTACLE STR DISTRIBUTIONS (NUMBER/N\*\*3-44)
TYPER RAIN SAMPLE 1 26

	CAL FACTOPE 18.0	6 (118) 55F. 8		ALT (KM)	4.863		TEMP (C)	-15.A	:	SOSTBOTET	4 4 4			AS (M/S)	132.9		T (N/P3)		1.304.00	TOTALS	1.1/2.00
	DISTANCEI 190 FT	PRECIP		6.67E+14	•		•	•					: -	•	•	•	2		•		Transco.
	DISTANT	SIZE		3	64.7	776	1241	1538	1835	21.32	24.29	2726		2	3356	3617	716	7 7 7	1177		
	RATER 25 624	0.003 P308£		2 · 2 · 3 · 5 · 5 · 5	6.572+67	3.52E+07	1.35E+07	3.445465	3.7 4E+C6	2.1 35 +4 6	7 - 3 3 - + ( 5	5.475+65	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 4 4 C C C C C C C C C C C C C C C C C	3.34E+14	1.7 32405	1.325+05	4 . 4 36 4 . 5	1.196+65	7.855.64	71-300
•	HZO FLOW RE	S17E (40)	;	5	*	29	5.5	102	122	243	161	191		•	72	17.	260	. 8.	5		
		SCALTER PROBE		20 4 20 4 20	2. 64E+89	7.45E+119	9.66€+09	7.76E+09	5.77E+19	4.46.409	3.275+09	3. 35E+09	2.045404		* D + D + D • 7	1.122+09	8.26E+08	3.54F+LA	5,992+08	1.645-03	
	PRESSURER 10 PST	SIZE	•	<b>.</b>	3	NO.	•	2	21	3	£1	13	20	ř	3 6	<b>3</b>	56	23	S	9	
	CAL FACTORS 16.0	P (MR) 350.5	ALT (KM)	4.856		070	( ) ) I   I   I   I   I   I   I   I   I	-101-		PIG-SO-	-14.		TAS (M/S)	133.0		******	(CF/E) (E	1535355.1		TOTALS 5.62E-01	125
	DISTANCE: 100 FT	PRECIP PROSE	4.4354.43	1.576+11			• .	<i>:</i> .		•	•	•	.;	•	: =		•	:	•	2.97E-32	¥67
	DISTAN	S12E (HJ)	3	547	740	124.1		200		2672	7 : (	3212	3023	1320	4617	40.4		4 7 1 1	4536		
	FE 8 25 634	2L 0U0 PR03E	5. TEE+07	3.7 3E + P.7	2.295.67	1-155477	4.555406	7 7 2 4 5 6			6 10 10 10 10 10 10 10 10 10 10 10 10 10	6041.00	1.985+65	1.35E+05	1.345455	1.14-405	7 7 8 5 4 1	1 2 2 2 2 2	4.33213+	4.725-61	119
	420 FLJW RATE: 25	\$12 (40)	23	*	79	40	142		2 7 7	1		167	7	22.1	147	35.0		,	£33		
		SCATTER PROBE	1.165+89	3.33E+09	8.21E+09	1.32E+13	1.365+10	1.036+13	9. 57F 400	6. 585 400	4 60 60 60		F9+301 *C	4.15*+09	2.896+.9	2.075+69	204960	F0 - 1 - 1	£0++20 T	7. 89E-11	12
	PRESSURER 10 PSI	SI7E (MJ)	~	•	•	•	07	12	2	<b>*</b>	: :	2 6	5	27	<b>*</b> .	25		,	7	ON I	750

SAMPLE: 2E 1FGT E79-E4 ON 24-JAN 79 1 SECOND AVERAGING TARGET SECOND AVERAGING TARGET STATE AND THE STATE ST AFTE INING SPRAFFEST BY AFFL

LIEGHT EFY-E4 OV 24 JAN 73

LIMING AVERAFING

LATEOMAL STRATEFUL 119133\*

PARTIZLE CITE FISTS9JII OVS (NUMBRA/H\*\*\*-44)

TYPER ARM

CAL FACTOR: 18.8	0.017	ALT (KH)	1EMP (C) -16.8	FROSTPOINT -14.6	1AS (M/S) 132.9	1666662.0 101ALS 7.53E-01 173
PISTANSER 138 FT	PROPE	3,775+94				2.40E-01
PISTER	SIZE	45	944 1241 1538	2132	382 3 332 C 361 7	
 420 FL) W RATE: 25 634	C, 0U3	5.56E+07 4.47E+07	7.595+67 1.295+67 5.25E+65 2.82E+05	1.46E+06 7.21E+05 2.86E+05	2.27E+05 1.56E+05 1.38E+05	7.54E+04 6.75E+04 5.05c-01
FLINA	\$125	80 AP 1	195	19 19 14 14 14	221	000
	SCATTER PROBE	3, 11E+08 9,59E+08	2.42E+09 1.71E+09	1.34E+09 9.30E+08 1.12E+09	7.54E+88 4.52E+88 3.10E+88 2.08E+48	1.55E+08 1.65E+08 5.26E-02 19
PRESSUPER 13 PSI	SIZE (AJ)	(L E I)	9 6 4 7	# 9 £	2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	28 34 NEO D
FAL FACTODE 10.0	D (MR) 556.1	ALT (KW) 4.861	16MP (C)	F 20STP01NI -14.5	132.9 NT (N/M3)	7098279.7 TOTALS 7.73E-01
DISTANCES 15" FT	PRECTS PROME	285+13 1.52E+01				0. 0. 3.54E-12 406
PISTA	SIZE	45 54.7 44.7	1541	2429	3517	1 1 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
1768 25 GP4	3602c	1.33E+[a 7.18E+[7 4.49E+[7	1.97€+07 9.85€+6 4.19€+6	7.7.5.4.6 7.7.6.4.6 4.10.6.4.6.5 1.34.6.4.6.5	1.36E+05 1.34E+05 1.34E+05	1.11c.5 5.83E-64 7.38E-61 163
HZO FLJW RSTES 25	\$175 (10)	5 4 3	227	191	24.1	9 0
	SCATTER PROBE	1,19E+19 3,62E+89 9,68E+49	1.396+10	6.47E+69 7.28E+89 4.47E+89	4.14E+09 2.47E+09 2.16E+03	1,69E+09 3,79E-61
PALSSUPER 14 2SI	SIZE	<b>~ \$ .</b> 0	- 3 3 1	: 220	222	DE COME

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SAMPLE1 26

	CAL FACTORS	P (HR)		ALT (KH)	• • •	TEMB (C)		7	FROSTFOINT	3.8.6					NT CN/HED	762445.4		TOTALS	.69F-01						CAL FACTOR:		549.4	ALT (KM)	4.866		TEMP (C)	-16.2	**********	TO LE		(S/K)	143.4		NT CH/HE)	847618.3	tores e		
9119				4		10			F # 0			7 A S			2	7.6			7			9 T M 12						4			76		6	•		TAS			Ę	ě			•
IVPER OSSTRUCTURE (NUMBER/NO)  INTERABLE STATESTRUCTURE (NUMBER/NO)  INTERABLE STATESTRUCTURE (NUMBER/NO)  INTERABLE STATESTRUCTURE (NUMBER/NO)  INTERABLE OSSTRUCTURE (NUMBER/NO)  INTERABLE O	DISTANCE! 200 FT	PROTE			<b>.</b>	•		• •					•	-		•	:		•	Þ	PARGE	I SECON! BVEFAGING	(Mm-200M/	•	DISTANCEL 200 FF		PROBE	2-215+13	1.52E+ 11			•	· .	•		: -	:	•		<i>.</i>	:		
ON 24 JAN 79 198 ALGRARL STACTORS ANUMGE ALGRAND LY LANGE ALM MARKET RAIM	31574	SIZE		* 04	9	*	100	1750	25.20	2120	2726	1923	3336	3617	4762	4211	4566				1637		CHIMPFE		DISTAN		SI ? E	101	64.7	4 46	1541	1536	1835	2512	2726	3023	3320	3617	3914	127	42		
-Dt. Dy 2t. Jan 79 1 SECOND AVER INTERAL STATTO-2121348 ** STATO-3-NM) SIZE DESTROYIONS (MUNGE-7NO-3-NM)	TE: 15 6P4	0.043		7.39E+L7	1.34E.L7	3.335+66	10000	1.14E+UD	4.4.5.4.5.4	10 14 15 15 15 15 15 15 15 15 15 15 15 15 15	17444115	5.245.5	5.21E+C4				;		1.585-61	130	TOTAL TOTAL SPOAN TEST BY ANGLE	24 JAN 73	(TY-See#/OLUNIS) VECITABLE TOLING IN A TULIONS	TYOE! RAIN	PATEL 15 GOM	:	5.0J)	2.89F+F7	2.10=+07	1.136007	4.386+06	2.346+66	1.682.475	0.10E+0.3	1.972.467	4.1657	3.10E+04	3.455+04	3.09E+64	2.775.5	1.555.664		
DA DA INTERU SIZE DI	FLJW RATE: 15	3175	?			2 6		3:	777		1 4		2	7	69	28.0	303				1667	1	77.77	:	FLOW PA		512E (10)		, ,	25	95	195	125		101	102	72.1	2+1	9.0	2 c			
F.IGMT E79-04 ON 24 JAN 79 INFRWAL STARTI' PARTICLE SIZE DISTRIBUTION TYPET RAIM	420	SCALTER		7.825+48	2.478409	8.42E+69	1, 106 - 10	6 67 E + 0 9	1.665469	1 105 100	7. 47F+89	2.255+83	1.25E+09	6.64E+08	5.52F+48	3. 02E+09	3.576+68		1.52E-01	19		FLIGHT E79-	PAPTICLE		13 5SI M20	,	SCATTER PROBE	5. 9.15 +0.8	2.06E+09	6.09E+09	9.65E+#9	7.295+49	0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	** 50E+09	3.135+69	1.7.16+09	1.546+09	7.82E+08	5.43E+08	2, 88E+08	5. 58E+#3		
	PRESSURET. 13 2ST	SIZE	3	~	•	•	• ;	<b>.</b> :	27	* *	9	200	2	5,2	52	\$2 5	30		9	MED D	SA4PLE 1 21				PPESSURE 1		SIZE (MU)	•		٠.	•	3	2 :	<b>:</b>	9 :	3 2	22	*2	<b>5</b> 6	7.	<b>B</b>		
	6.0																								6.0																		
<u>د</u>	CAL FACTOR!	6+645 549.9		ALT (KH)	404.4	127 0751	- U-1	-120	FULL TOUCH	6	•	145 (4/5)		i	(NI/X) LX	666995.9		TOTALS	1.60E-91	107	•	ė X			CAL FACTOR!	;	(Hi) d	1, T (KM)	4.857		TEME (C)	-16.0	191001001	1041COY4	6 40 7	TAS (M/S)		,	NT (N/HE)	738547.2	201810	101413	
JAN 79 1 SECOND AVERAGING Stratifoliss* Atbutions (NUMBER/M**5-44) Et rain	DISTANCE! 2JU FT	PROTO		1,356+13	1.526+11	•	•	•		•	; =		;						9,515-33	+11	TEST BY AFGL	JAN 79 1 SECOND ASSUATING	(77-1447/0		DISTANCE: 200 FT		7607a	9.648418	1.526+31	9.	•	•	<b>.</b>	÷.	•	: :		<b>.</b>	<b>.</b>	<b>.</b>	:		
1 3 171 39 (NUMBE)	DISTA	SIZE	•	707	24.7	196	1647	1776	2112		2226	402	12.	3517	1916	177	4 50 6				7537	· •	121139		TISTA		3425	3	7	716	1241	1538	1845	2572	2726	700	3325	3617	3914	4211	200		
24 JAN 73 1 SECONO AVER NAL STARTI+21171139* STATBUTTONS (NUMBER/M**3-44) YPER RAIN	ITE: 15 GD4	3.0U3		1.196+67	1.735+77	3.375465	4.37	1.7 65.41 5	C1420101		2.59241	9 14 12 7	9.826+14	0	6.27566	1,292464	9.035+63	!	1.565-61	102	¥	<b>3</b>	JAL STARTICZI SETSTOMITOW	TYDER GAIN	RATER 13 GOM		21.203	7.705487	1.4150.7	3.502+16	5.1 PE+ Lb	1.395+[6	9.56.65	***	2.505615	1.135062	6.215+64	30.456.404		÷.	•		
-BL ON 24 INTERALL SIP DIST	FLOW PAT	3218	2	3.3	ŗ	29	N: 1	707	7.77		::		200	26.1		9.6	533				1567	PC 73-	= ;		FL 34	,	111		ĵ.	9	9.5	102	122	791	3	797	22.	24.1	264	90	28.7		
FLIGHT E79-	02H ISe	STATTER	366	8.92E+14	2.57.4.9	9.235+09	1.195.10	9243436	67442249		50 - 14 C - 6	0 - 10 - C	004394	5.5.5.4.7.8	K 186 4 CR	7.33F+.B	. 43E+C		1.616-01	18		F. ISHT E79-64 34		74K1 4.16	. n - 51 420		SCATTEP 2013E		2.646440	9.585.49	1.23 €+19	6.586+09	6+475+69	60435649	3,535,603	3 - 27 F + B G	1,546+69	9.416.6	5,69E+88	3,77E+00	4.53E+88		
	PRESSUPEL 18	\$175	SE,	R)	•					<b>.</b>	c •	<u> </u>	2	3 2		3 7	2	}	3	ME'n D	SAMPLE 8 21				PRESSURE: 10 PSI		5175 (JE)	•	, 1	•	•	<b>8</b> 7	77	<b>4</b> :	9 .	12	?	2	<b>52</b>	ຂ	5		

SAMPLE 1 21 AFF1 TSIME SPRAY TEST BY AFGL F\_IGHT E79-u4 ON 24 JAN 73 1 SECOND AVERAGING I HTENAL STRAYTO-21 221 42\*\* PARTICLE SIZE DESTAUNTDUS (MUMBER/HH)=3-44) SAMPLE: 21

CAL FACTOR!	P (MB) 556.3	ALT (KH)	4.859		TEMP (C)	-16.2		FROSTPOINT	-18.6		TAS (M/S)	133.2		NT (N/M3)	163325.1		TOTALS	7.49F-82	185
DISTANCEL 200 FT	PRECTP PROBE	3.512+18	1.526+11						•		•	-	÷	έ,	.;	•		7,365-36	6 33
1516	S126	1 01	5	446	1547	1538	1935	2132	6242	2726	212 B	3320	3517	3914	4211	4508			
HZO FLJH RATES 15 GPM	0,003 93085	8.9dE+P6	1.125+07	4.175+66	1.530.475	9.486+05	5.555.05	2.528+55	9,595+6+	7,775+[4		3,116+04	• • • • • • • • • • • • • • • • • • • •	,	•			7,425-52	12,
FL3# R	S12E ( 4U)	23	,	95	43	707	122	14.2	101	191	201	22.1	241	160	293	33.3			
	SCATTER PROBE	1,611+69	2.516+89	6.77E+09	1.27E+1.	9.555+69	7.33E+89	5.03E+69	4.285409	4. 33E+09	2.6.E+09	2. <1E+69	1.17E+69	6.73£+68	3. 36 E+0A	4. 47 E+08		1.96E-01	
PRESSURE: 18 PSI	S I Z E	8	•	¢	•	2	21	3	<b>9</b>	£‡	12	22	ž	56	•	33		3	O O D
9.0																			
CAL FACTORS	P (#8) 549.3	ALT (KN)	4, 866		1E46 (C)	-16.2		FPOSTPOINT	-19.6		1 AS (M/S)	133.4		NT (N/42)	679948.6		TOTALS	1.546-01	•
DISTANCES 200 FT	PRECIP PROSE	9.4AE+18	1.526+11	<b>.</b>						ď		:	÷	9.	j	•		7.346-76	634
PISTA	SIZE (4J)	100	547	3 16	12+2	1538	1835	2112	2429	2726	3823	SEP	3517	7162	4211	4536			
420 FLOW PATER 15 G24	2.003 9209£	3.535.67	1.536.17	6.51E+C6	6.61£+62	2.745.65	9.59E+r5	3.105+63	1.535+75	1.135062	5.546+66	3.16.+64	1.45544	•		;		19-34 5-11	•
2 2 2	\$125 (40)	2.5	<b>M</b>	63	6.6	132	12.2	1.42	161	191	107	22.5	24.5	*	664	73.3			
02M ISc 6	SCATTER PROSE	7.27E+84	2.262+89	8.47E+63	1.466+18	7.16E+69	5.0 JE+03	4.4.5.63	3.626+63	3.03E+13	1. R1E +29	1.48£+63	6.588+.8	6. 31.E+.8	2. 01E+48	Z. 1.2 E+68		1.395-01	=
PRESSUREI 13 25I	S125	N	•		•	97	7.5	4	16	£1	2	22	24	*	28	2	•	9,	MED G

9.9 CAL FACTOPI F & 0.5 TP 0.1 WT TOTALS 1.85E-81 92 TAS (H/S) 132.9 NT (N/H3) 563788.8 TEMF (C) -16.2 550.1 ALT (KM) 4.861 360aa d153ad DISTANCES 208 SIZE OUT OF THE STATE O HZO FLOW PATER 15 GPM 1.156-61 7, 333 2409E 5778 (10) SCATTER PROBE 6.8 PPESSURE: 19 3ST CAL FACTOR! 707ALS 9.73E-02 181 F40STP01NT -18.6 NT (N/H3) P (#9) 558.1 ALT (KM) TEMP (C) TAS (M/S) 133.4 DISTANCES 249 FT 9.43E+38 1.57E+31 0. 7.856-36 PRECTO PROSE 321**\$** MZO FLJM RATER 15 GPW 9.566-62 101 2002 とうことできまれるようななどのできるとのできませる。 しょうしょうしょうしょうしゅう \$17£ (80) 1.736-61 SCATTEP 2008E PRESSUPEL 18 251

SAMPLE 1 21

SAMPLES 21

MFST ICING SPRV TEST BY AFGL
P\_ICHT ET9-(\* )# 24 JM T3 I 3ECOND AVERACING
INTERAL STATIFER 2821145\*
PARTICLE SITE OSSTRATING (NUMER/MOTH-44)
IVPER ARIN

SAMPLER 21	FLIGHT F79-64 ON 24 JAN 73 1 SECOND AVERAGING	THYERAAL STARTS 421 821 849	PARTICLE SIZE DISTRIBUTIONS (NUMBER/MP-83-44)	THE SHOP
Es 21 AFFT3 TOING CPOAY TEST BY AFGL	FIGHT EV9-E4 ON 24 JAN 79 I SECOND AVEPACING	INTERMAL SPARTIFELS TO A SE	CFT-164-17/2016 DISTRIBUTED SNOTHING OF IN BUILDING	

SIZE GLOUD SIZE PRECIP (MU) PROBE (MU) PROBE (MU) PROBE (MU) PROBE (MU) PROBE (MU) PROBE (MU) PR
7.2 v. 2. v.
5 446664
2 8.02E+00 27 6 9.3E=00 62 6 9.3E=00 62 1.13E=10 132 1.2 5.78E=00 132 1.2 5.78E=00 132
TEMP (C) 8
•••
1835

MFFI ISTME SPRAY TEST BY AFGL
FLIGHT E79-84 ON 24 JAM 73 1 SECOND AVERAGING
INTERNAL STATIFFLIELISS\*
PARTICLE SIZE DISTABULIONS (MUNGER/NEW-3-MY)
TYPES RAIN SAMPLE: 21

AFFT TOING SPRAY TEST BY AFGL
FLESHT EF9-84 ON 24 JAN 79 1 3.COND AVERAGING
I HERVAL STRATIC 21:21:52\*
PARTICLE SIZE DISTRIBULIONS (NUMBER/M\*\*)-44)
IVPE: RAIN SAMPLE: 21

•

CAL FACTORS	549.8	ALT (KH)	4.866		TEMP (C)	7.6.2		FROSTPOINT	-18.7		TAS (M/S)	132.1		NT (N/M3)	953415.4		TOTALS	1.01E-01	93
DISTANCE: 200 FT	PRECIP			: :	•			9.	•	9.		•							•
DISTANC	SIZE (MU)	101	249	116	1241	1538	1835	2132	5429	2726	3023	1320	3617	3914	1724	4506			
H2O FLJW RATE: 15 GPM	C. 043	3.225+07	2.525+67	1.136+07	5.555+85	3.376+66	9.536+65	4.11E+65	1.21E+(5	1.345+55	2.352+6+		5. 37E+6+			;		1.915-01	8.6
FLOW RA	STZE (4U)	8	*	9	82	102	122	142	161	181	231	121	24.1	26.3	280	30.3			
	SCATTER PROBE	4.92E+08	1.95E+09	7.655+69	9.47E+03	5.92E+19	4.23E+09	T. 41E+09	2.43E+09	2.295+69	1.45E+09	1.00E+#9	6.37E+08	3.33E+06	1.11E+06	1.73E+08		1.03E-01	7.6
PRESSURE: 18 PSI	SIZE (MU)	N	•		•	70	12	1	16	97	20	22	*	2 <u>0</u>	23	28		CMC	460 0
6.0																			
CAL FACTORS	P (48) 549.8	ALT (KM)	4.866		TEMF (C)	-16.2		F + OSTPOINT	-18.7		TAS (M/S)	132.4		NT (NY 12)	749131.8		TOTALS	2.566-01	176
ISTANCE! 290 FT	PRECTP PPO9E	1.405+34		•	.:	9.		<b>:</b>		-		;		9.				9.18E-32	433
DISTAN	STZE	* (3	647	796	1541	1578	1935	2132	2429	2726	3023	3725	3517	3914	4211	4508			
TE1 15 GP4	3.000 9208E	3.312+1.7	2.1 1E+E7	9.425+66	3.+75+66	1.912+66	9.575+65	4.105.65	1.33E+PS	1.3u=+05	2.946464	7,1 32+64	T. + 7E+04	3.115+64	2.795+(4	2.51E+f+		1.545-41	101
HZO FLOW RATE	\$17E (10)	2.3	F 3	5.2	95	113	122	241	161	191	201	127	14.	26.3	283	30.			
	SCATTER PROBE	5.115+88	1.746+89	6.55€+69	7.41.409	5,596+03	3.936+39	3, 21E+ü9	2.44E+03	2.17E+09	1.35E+09	1. 446+63	5.73E+08	3.52E+C8	2.07E+t8	2.56E+08		1.046-01	2
PRESSURE: 13 PSI	10H)	~	•	9	•	3	21	=	<b>57</b>	19	2	22	₹	56		2		3	0 464 0

SAMPLE: 21
F\_ICHT E79-04 O1 2-, JAN 79
1 3:20MO AVERAGING
THERVAL STATT=21121153\*
PARTICLE,SIZE DISYLAUDITONS (MUMBER/M++3-44)
TYPE: QAIN

AFFT TOTAG FPRAY TEST BY AFST.
FLIGHT E79-04-03 24 JAN 73 1 SECOND AVERASING
TVIERVAL STATI\*21/21/61\*
PARTICLE FIT DISTABLISH (MUMBER/WHY)
TYPER RAIN

CAL FACTOR! 6.8	6.645 549.9	ALT (KH)	4.864		TEMP (C)	-16.2		FROSTPOINT	-18.7		LAS (M/S)	132.1		HT (M/M3)	479216.4		TOTALS	2.395-01	121
DISTANCE: 200 FT	PRECIP	5.53E+13	•															4.29E-12	101
DISTAN	SIZE (MU).	*0*	3	3 36	1241	1538	1635	2132	2429	2726	3623	3320	3617	101	4211	4909			
HZO FLOW PATER 15 3PM	C, 033	2.525+07	2.615+07	1.082+07	4.595+06	2.36€+66	1.27E+C6	5.87E+05	2.425+05	7.936+04	2.2 8E+05	6.27E+L4		5.536+63	1.312+06	1.175+04		1.966-01	107
FLOW P.	\$123 (M)	23	4	6.5	8	112	122	142	191	191	201	174	76.1	260	26.3	100			
	SCATTER PR38E	7.83E+C8	2.29E+09	7.76E+09	9.58E+09	6.99E+69	4.77E+09	3.916+09	2.72E+09	2.84E+89	1.87E+69	1.316+09	7. 62E+88	5.68E+08	2.91E+08	4. 10 E+08		1.37E-01	5
ORESSUREI 13 3SI	\$12E (MU)	n.	4	٠	•	97	17	=	16	*	2	22	24	92	28	98		5	NEO O
6.0																			
CAL FACTOR	0 (MB) 9	ALT (KM)	4.864		TEMP (C)	-16.2		FROSTPOINT	-18.7		14S (M/S)	172.1		NT (8/N3)	623906.5		TOTALS	1.68E-81	<b>:</b>
DISTANDER 200 FT	PROPE	3.58F+30	1.536+31		•	•		•	•	•	•	•		•	;			7.116-14	633
<b>315T4</b> 1	\$12E (4U)	474	2	***	1241	1538	1935	2112	5*5	2726	3023	332 C	3617	3914	4.21.1	4588			
H20 FLIW KATER 15 SPM	2,003	7.325.07	2.41=+77	8.59€+66	4.51£+£6	2,26£+‼6	9.595+05	5.165+05	1.336.65	1.936+65	•	6.27E+04	3.4 AE+6.4	;				1.57E-61	153
FL'S K	(AK)	23	,	9	82	132	122	16.2	161	191	101	221	241	263	26 G	2			
	SCATTEP 240BE	5.33€+60	1.41 [+19	6.47.6.09	7.692+89	5.51E+09	4. F5c+43	3.438+09	2.39€+89	2e37E+u3	1. 34 E+89	9. 56E+uB	6.65E+08	3.32F+88	1.736+68	2.22E+88		1.04E-61	19
PRESSURE: 13 PSI	S17E	~	*	10	•	2	12	=	16	13	3	22	54	136	<b>92</b>	38		, E	460 0

and the same of th

SAMPLE 1 21

SAMPLE: 22A AFFT. TOING SPOAT TEST BY AFGL F.IGHT E79-04 ON 24 JAN 73 1 SECOND AVEPACING	TATERVAL START #21123116	PARTICLE SIZE DISTRIBUTIONS (NUMBER/M+++++)	7 P 4 6 11 C 2 P
8 21 FEMT E79-64 ON 24 JAN 79 1 SECOND AVERACING	I 4FER4AL 574378 211221854 F	CFFE ANABERCAL DISTAINMENT OF OTHER PERSONS AND MINE OF THE PERSONS AND THE PE	1046

SAMPLE

:

PRESSURE: 10 PSI		HZO FLJW RATE!	ATE: 15 GPM	JISTAN	DISTANCES 200 FT	CAL FACTORE 6.0	PRESSURE 10 PSI		FLOW RA	MZO FLOW RATE: 25 GPM	OTSTAN	DISTANCES 209 FT	CAL FACTORS 10
S122	SCATTER	S12E	7. 0U3	\$12E	PRECIP	550.8	S72E (MU)	SCATTER PRORE	\$*2E (40)	CL 043	\$12E (MJ)	PROBE	P (#B) 550.3
•	404321 9		2.41641.7	707	ć	4LT (KH)	۸	A. 635 + u.B	23	6.27541.7	4	3.265+13	ALT (KH)
v 4	0 - 2 V C + 0 G		1.516+67	40		4.86.		2.03E+09	÷	3.356+67	64.7	1.52E+31	4.659
•	7.56 Feii 3	6	9 3 4 5 6 6	116			•	6.91E+49	62	7.165+17	716		
•	9.625+69	32	3.11E+C6	1241		TEMF (C)	•	1.17E+10	61	9.355.465	1241		TEMP (C)
	7.615+69	132	1.50E+0.5	1536	•	-16.2	=	1.03E+10	102	5.77E+C6	1538	•	-15.8
-	5. 15. 10.0	12.2	8-202+05	1835			71	7.88 €+09	126	2,325+65	1835	•	
! :	F. 15F+19	4	3.915+6.5	2132		FROSTPOINT	3	6,496+09	1+2	1.02E+f6	21.12	•	FR OSTPOTMT
97	7.10E+-3	161	1.4554.5	2429	e	79.1	16	4.92E+09	161	4.7 85+45	6242		-16.7
=	7, 016+9	181	1.37=+65	2726	9.		<b>\$</b>	5.57.+63	181	2.J7E+05	2726	÷	
: 5	4.945439	102	1.146+1.5	3923		TAS (H/S)	20	3,995+69	23.1	3.1 35+05	1993	:	TAS (M/S)
?	1.366+0.0			3326		132.1	22	3.185+49	<b>5.2</b>	3.305+04	3320	;	133.6
	7. 43r + 48	196		3617			25	2,16 -+ 19	241		3617	å	
, 6	8.4369.1	190	يًّے :	3916		NT (N/H3)	97	1.45E+09	26.5	2.46E+64	3914		N' (N/M3)
2 2	2.916+68		; ;	4211		540757.4	23	7.53E+09	287	4.32E+C+	4211		1595301.7
2	2.775418	113	: .:	453.8				9.18E+08	43	3.19E+C+	4538	÷	
•		:	;			TOTALS							TOTALS
SHIT	1.34E-61		1.205-01			1.205-01	Ë	2.928-01		1,995-€1		2.21E-32	4.10E-01
O GUA	-		104		-	104	MED D	20		103		4.37	108

CAL FACTOP: 18.9 TOTALS 4.63E-01 104 FROSTPOINT -16.7 ALT (KM) TEMP (C) -16.9 TAS (M/S) NT (N/43) 1961202.8 SAMPLE: 22A AFGL 679-64 ON 24 ANN 79 I SECOND AVERAGING LYSONATOR I SECOND AVERAGING LYSONATOR I SECOND AVERAGING TO STATE STATE 21 23 1159 PARTICLE VIFF DISTAINING VIUNGEZ/M++3-M4)
TYPE: ANIN 1.85E+97 3.06F+01 1.346-32 SELECTION SELECT 6.0 PRESSUKEL 13 PSI HZO FLIM RATEL 25 GPM SPATTER PROBE ・ さんままえ ごごごごごう こうちゅうこうせい おおおさなるの CAL FACTOP: FEOSTPOTNT -18.7 1AS (M/S) 131.9 ALT (KM) 4.951 TEMP (C) NT (N/H3) (40) o AFFT: IZING SPRAY TEST BY AFGL F\_ISMT F79-Ct, DN 24 JAM 79 1.5 FCOND AVERACIES INTERAL STATE PRINCES 122155\* PARTICLE SIVE DISTACULIONS (NUMPER/W\*\*3-M4) 4 59F+10 1.53E+10 0.00 0.00 0.00 0.00 0.00 0.00 0.00 THE DOC 150KNISTO 943CIP 6.975+14 FLIN PAIFE 15 624 2.276.49 2.1276.49 2.1276.49 2.1276.49 3.1276.49 3.1276.49 3.1276.49 4.46.60 524TTE9 2098E PRESSURE 18

SAMPLES

		•	PATCLE STR	PARTICLE SITE DISTAINANT (NUMBER/NEUS-44) TYPE: QAIN	S (NU48E	(hh-6+44)	
### STY							
140	CAL FACTOPS 19.0	PRESSUREL 18 2ST		HEO FLIM RATE! 25 GPM		DESTANCE! 200 FT	CAL FACTORE 18.8
### \$ \$1 0.2 95.07 40. 2.975.11 1.00 0.00 0.00 0.00 0.00 0.00 0.00		SIZE SCAT	SCATTER STZE PROBE (140)	26 CL043	SIZE	3603d d1034d	6 (48) 549, 9
12   12   12   12   12   12   12   12	_			23 5.082+67	3;	2.79E+13 1.52E+91	4-1 (KM)
### 12 3 7 5 7 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		6 7.15	7.15E+09	52 3.34E+67	1241	ė.,	TEMP (C)
### 12 7 7 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2					1536	<b>-</b>	-16.2
10	E				2132		FROSTPOINT
### 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	_				6242	• •	-16.7
### 125					30.5	;;	TAS (M/S)
### 1999 5.64 1.124.ce.05 1917 3.  ### 1999 5.64 1.124.ce.05 1917 0.  ### 1999 5.64 1.124.ce.05 1914 0.  ### 1999 5.64 1.124.ce.05 1914 0.  ### 1999 5.64 1.124.ce.05 1914 0.  ### 1999 6.64 1.124.ce.05 1914 0.  ### 1999 1.124.ce.05 1914 0.  ### 1996 1.124.ce.05 1914 0.  ### 1999 1.124.ce.05 1914 0.  ### 19		22 2.2		534255-1-1-2	322	<i>:</i> •	133. 3
Feb			1.522+39		3914		MT (N/M3)
E-01	10				1124		2149 312.1
### ### ### ### #### #### ############	v		5. 436+08 31	300 2.855+14	4598	•	Toffic
### ##################################	. =	16 % T	1.985-01	5.192-71		1.905-32	5.306-61
AFFT 121M5 SPRAY TEST BY AFCL  ATTORAL STATION 1231179  ATTOLE SIF ATTION 1231179  ATTI		6	20	106		90+	100
HZO FL   M PATE1 25 G24   375TANCE1 200 FT   12   12   12   12   12   12   12   1		SAMPLE: 224 FLIC	HT F79-64 TH	HEIGHT FFG-04-2M ZEST BY AFGL FLIGHT FFG-04-2M ZES-18-18-18-18-18-18-18-18-18-18-18-18-18-	AV TEST B 1 36 211231139 5 (NUM 95.9	r AFGL COND AVERAG (MRF3-N4)	5 <b>2</b> P
7175 7.000 SIZE PPECTO P (40) P (70)	TAL FACTION 10.0	PRESSURET 19 PSI		HZO FLOW RATES 25 GPM		DISTANCE 200 FT	CAL FACTOR: 18.8
23 3.77Fe(7 434 5.46c+13 ALT 43 5.46c+13 ALT 43 5.59fe)  62 1.59fe)  62 1.59fe)  63 1.59fe)  64 1.77fe)  65 1.77fe)  66 1.77fe)  67 1.77fe		SIZE SCAI	SCATTER SIZE PROBE (40)	76 5.0U3	\$12E (40)	PRECTO PROBE	55F.8
43 5.59° CT 7 96.4 C.56.4)14 C. 15.56.4)14 C. 15.56° CT 1241 C. 15.60° CT 1261 C. 15		7.51	7.57€+08		7	3.61 6+33	ALT (KM)
13.5 FECT 194, C.	-			43 5.396+87	3 6	3.94E+32	4.863
132 9.44.06 1338 4.5 122 3.59.06.6 1338 0.6 161 7.876.06 2239 4.6 161 7.876.05 2229 4.6 191 2.266.05 2229 4.6 201 2.266.05 2229 4.6	_				1241		TENP (C)
142 3.592765 1335 0.  142 1.74266 2135 0.  151 7.87676 2229 0.  151 3.35667 2229 0.  251 3.56666 3823 0.  251 3.56666 3823 0.  251 4.56666 3847 0.  250 6.52260 421 0.  250 6.52260 4511 0.  250 6.522	٥.			50+351-2 201	1536	•	-16.2
161 7.5 TE-05 2429 14- 161 3.3 TE-05 2226 0- 161 3.3 TE-05 2226 0- 201 3.5 TE-05 3820 0- 201 3.5 TE-05 3820 0- 201 4.5 TE-05 3820 0- 201 6.7 TE-05 450 0- 201 6.7 TE-05 3820 0-	-		5.05E+U9 1.	1.546+66	2132	• •	FADSTPOTHT
181 3.376-05 2726 0. 1AS 221 1.266-65 3828 0. 1AS 261 1.266-65 3820 0. 1AS 261 3.566-6 3847 0. NT ( 200 6.722-04 4.11 0. 2528 3.8 4.222-64 4.11 0. 2528					644	•	-16.7
221 1.25000 3.250 0. 7.32 224 1.25000 3.2500 0. 7.32 224 3.2500 3.2500 0. 3314 226 6.22200 4.211 0. 2526 3.8 4.222004 4.211 0. 2526					2726	<i>:</i> .	
264 3.55F60- 384.7 0. NT ( 260 4.56F60- 384.0 0. NT ( 260 6.72F60+ 421.0 0. 2528 5.8 4.22F60+ 450 0.	. M		2.36E+89 2	1 3.00 1.5	3320		138.0
250 4.5666. 3914 0. NT ( 260 6.221.04 4211 0. 2326 548 4.225664 4508 0.				_	3617	-	. !
200 00.77.200 4.500 0. 5.500 0. 5.500	- 5		9.225+68 2	59 51818464	7161	<i>.</i>	K#/#7 L#
				308 2.775+04	1904	: .	796409333
9-14-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-	LS 013					2.50E-02	707.4LS 5.75E-11
201	106	O O3K	52	101		111	110

AFFIZENT ET9-D4\_ON 24\_JAN 79 1 SECOND AVERAGING INTENT 19-21-231-250 1 INTENTAL STATE-211-231-250 PARTICLE SIZE OISTATOURIOMS (NUM GER/N++3-MM) TYPE: RAIN SAMPLE 1 228 AFFI ISING SPRAY TEST BY AFGL FLIGHT E79-84 ON 24 JAN 79 1 SECOND AVERACING INTERAL STREATH-21123120\* PARTICLE SIZE DISTABILITYS (NUMER/M\*\*3-44) SAMPLE 122A

CAL FACTOR: 18.8 TOTALS 5.67E-81 TEMP (C) -15.9; FROSTPOINT -16.6 ALT (KM) TAS (M/S) 132.2 NT (N/H3) 1.02831.9 1.14E+84 DISTANCE: 209 FLOW RATE: 25 GP4 3.57E-C1 114 C.00.2 SIZE CAL FACTOR 10.8 PRESSURES 13 351 M20 2, 29E-01 20 SCAFTEP PROBE SIZE (MJ) TOTALS 3.76F-01 117 FOOSTPOINT -16.7 TEMP (C) TAS (H/S) 132.5 NT (N/43) 1285062.9 P (M9) 558.1 ALT (KH) 4.861 DISTANCE 1 240 FT 1.695-12 2.476+33 PRECIP PERSONAL SERVAR PERSONAL SERVE SOURCE SERVE SERVENT SOURCE SERVENT SOURCE 420 FLNW RATES 25 6P4 3.195-C1 113 C. 0UD STZE (40) 2.155-01 SSATTER PROBE PPESSURES 14 351

SAMPLE 1 229 AFFT TOING CPRAY TEST BY AFGL
F\_ISHT E79-E4 ON 24 JAN 79 1 SECOND AVERALING
INTRAL STRATICELIZBEL\*
PARTICLE SIZE DISTRIBULING (NUMBER/40-5-44)
IVPER ANN SAMPLE: 224

CAL FACTOPE 18.8 T07ALS 4.44E-01 126 FROSTPOTNT -16.6 ALT (KM) 1AS (M/S) 131.8 HT (N/H3) 1467345.2 P (MB) 558.1 TEMP (C) DISTANCE 200 FT +0+38++1 PRECIP PROME Bet Josephaet Little Bet Little B CAL FACTOR'S 10.0 PRESSURES 13 PST 420 FL34 RAIES 25 GPM 3.5 2E-01 106 0; 0U3 ₽₹ 08€ \$215 (**4**) SECRETARIONISMA SECTEDARIONISMA SECTEDARIO S 2.87E-01 20 7.299 2.329 1.099 SCATTER PROBE STZE (NU) 3225222555 322523255 332553 TOTALS 2.52E-81 171 FROSTPOINT -16.6 ALT (KH) TEMP (C) TAS (H/S) 132.6 NT (N/H3) 795367.1 P (##) DISTANCES 200 FT 8.572+13 OFFICE GOODS SET AND CONTROL OF THE STANDARD AND STANDARD STANDARD OF THE STAN FLOW RATES 25 624 \$17E (10) PRESSURET 18 2ST H20 2.63E-01 20 SCATTER PROBE

Acres + Parcel

	CAL FACTORS 18.8	5.055 550.2	1000	(11)	****	;	LEMP (C)	-16.2		9.91		TAS (M/S)	132.7		MT (M/MM)	-11031.8		1014LS	245	<b>:</b>			CAL FACTOR: 18.8	1	54.9° 9	ALT (KM)	*. 86 t	TEME (C)	-16-1		FROSTPOTMT	-10.5	(S/H)	132.8		1662052.5	1	1074LS 4.89F-81
9415	Q C	-	•	4			Ē					TAS			2	7		-	•		SING					1		1	•		2		TAS		5	164		•
1 SECOND AVERASING 3123 + 11 PER/H** 3-N4)	JISTANCEL 209 FT	PRECIA PROPE	, 0.00	1.07.474	•	•		. ئ	<u>.</u> .		•			•		;		1000		?	Y AFGL CONJ AVERA	(P#-2 +#K/	DISTANCE I 200 FT		FRECIP	1.525.94		: =	; et	••	<i>:</i> .			۵,	•	; .•	•	1.035-01
ON 24 JAN 79 1 SECOND A 4FFRAL STARTI 214234238 ZE DISTABULIONS (MUMBER/Mess- TYPES RAIN	JISTAN	\$12F (MU)	•	3	<b>2</b>	*	1241	1536	1835	24.32	2726	3023	3326	3617	391 4	4211	4508				TEST 8	231 10 4 NUM BE R	DISTAN		SIZE (MU)	707	647	1241	1538	1835	2132	2726	3923	3326	191	1211	4518	
FIGHT EF9-04 ON 24 JAN 79 1 SCOMO AVER THERAL STATIO 2103629* PARTICLE SIZE DISTABBUTIONS (NUMBER/HOOS-NH) TYPE: RAIN	H2O FLJW RATES 25 GPM	3602d		2.516467	2.4.5.4.7					4.46667	11666	7 437672		3.47£+£	11+306.	3.3.5.6.8	13436+1		11.162-64	3	AFETS ICLUS SPAN TEST BY AFEL PATENTING F. 1547 279-04 ON 24 JAN 79 1 SECOND AVERACING	VAL STARTINGS ISTRIBUTIONS ( TYPER RAIN	HZO FLOW RAITE 25 FF4		360 tc	5.442467	4.325+67	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	4.48646	2,285116	1.175+15	4-125+15	2.2 Ac+ C5	6.275+64	6.375.40	3.155+04	2.7 36+64	7.996-01
L TERVA	LOW RAT	\$126 (10)						7,7	13.3 13.3	7	101		166	1 %	26.1	٤•٦	303				AFETS B4 ON S	1175 VI 1126 DES	FLOW RAI		\$123 (40)	23	£ 3		1 E	231	142	151	10:	22.1	1 7	25	133	
FLIGHT EF9+0 PARTICLE S		SCATTEP PROBE		1.315+60	5.45E+19	2,45€+09	2,43£+03	1.93€+09	1.416+03	9,515+68	904307	5. 775+64	4.27 6+08	2.485+08	1. 03E+68	4.33c+37	3.45£4,7		20-1/4-6	F -1	1 F. ISAT : 79-1	PARTICLE			SCATTER >208F	1. 73€+08	5.135+08	20416463	2,50E+69	1.37E+u3	1. 26E+09	1.05E+09	6,536+08	4. 44E+CB	3.435.469	7.635+07	7.63E+07	4.365-02
	CAL FACTOR: 18.0 PRESSURE: 19 "SI	SIZE (HJ)		8	.•	v		10		<b>3</b> 1	2:	57	20	26	10	82	30	•	: c	0 0 4	SAMPLE 8 223		CAL FACTOS: 10.0 0 2ESSURE: 13 0ST	:	S12E (+))	2	<b>.</b>	n =	0.1	21	<b>1</b>		2	2.5	đ. )	6 es	2	-
ž.	CAL FACTORS	P (MB) 558.3		ALT (KB)	4.659		TEMP (C)	-16.2		FROSTPOINT	-1k.b	TAC (M/C)			NT (N/HT)	2.24203.2		TOTALS	4.735-01	72.1	e Z		CAL FACTOS		P (#9)	ALT (KH)	4.857	100	2.52	•	FROSTPOINT	-16.6	185 (M/S)	133.0		1-14-551		TOTALS
79 1 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	DISTANCEL 200 FT	PRECIO P409E			:		•			;	•	•	: .	•					;	<b>D</b>	ST BY AFGL 1 SFCMD BYSPASING	T1=21:23:29 = 120S (NUMBER/Mer3-44)	DISTANCE # 230 FT		PRECIP	3.125+34	•	<b>.</b>				÷.			•	• d	: :	40 1130
1 3E 231274 NUMBER	DISTAN	\$17E		3	249	116	1241	1538	1835	2132	6292	9242	9 0	3351	101	6211	8654				cpsav TEST BV AFGL 70 1 3FCMO 8	T1=21123129* TONS (NUMBER)	DISTAN		512E	704	64.7	7	1541	1815	2132	2429	3823	1326	3617	3914	1204	
84 04 24 JAN 79 1 SECOND AVER I VIERVAL STARTI*211278 SIZE DISTABULIONS (NUMBER/4**3-M4) TYPE: RAIN	TE1 25 62H	SL003		6.436+87	5.166+67	2.306+07		5.88E+16	3,20E+! 6	Æ1	7.2544.5	2,356+05		5.44.4		•			4.737-61	104	AFFTS TSEMS SPRAN	AL STARTIPER	11 25 GPM	}	7,043 PR09E	5.39€+1.7	3.445.57	2.155+1.7	9.255+76	2.74:416	1.46500	3.946.05	A. 5.05+61			6.372404		
84 04 1 47 58 0 51 25 0	FLOW RATE!	\$12E (40)		23	7	6.3		132	127	145	161	=======================================	1	77.	7 6	. E	2				terry as on	I TEM	FL JW RAT		S175 (40)	2.3	*			122	3	191	191		141	Ç.	100	
F.ISNY EP9-84 ON 24 JAN I defende 3 Tak Particle 5125 Distalbut I ype: Ra	02N 18c	SCATTER PROBE		7.546+88	2.265+83	6.916+89	1.116+10	6.335+19	6.986+83	6. 88E+89	4. 68E+89	4.82E+33	60.616.6	60+3/4-2	1.705.09	1.5.5.5 8.545.09	7.96 8+08		2. 39E-01	20	9	PARTICLE SIPE DISTRIBUTE	156 1	2	SCATTER PROBE	5. ASF + P9	1.95E+C3	6.67E+63	6.726+83	4.925.469	4.17E+89	3.22E+69	3.32E+84	2,865+89	1.136+09	7.016+69	4.34E+E0	
	PEESSURE 10	SIZE		~		۰.۰	•	7	15	=	91	2	3 :	<b>~</b> ;		€ <	2 2	}	9	MED D	SAMPLE 1 229		150 (1 1 201155 300	4 4 5 000 6 74	5175	•	. <b>+</b>	•	e	2 -	13	91	F. 7	27	12	2,	<b>8</b> , 2	•

SAMPLE: 229 F.ISHT F79-C4 ON 24 JAN 79 S.SECOND AVERAGING I 4TRVAL START: P1:23:339 PARTICLE SIZE DISTRUMING (NUMBER/M993-444)	
SAMPLE: 228 FIGHT E79-04 ON 24 JAN 79 ISFCOND AVERACING INTERAL STRATI-SILENS: PARTICLE SIZE DESTREATIONS (MUM 624/MOFF-MU)	

The state of the s

	F CAL FACTORE	P (NB)	2.885		4.869		TEMP (C)	-16.3		FROSTPOINT	-16.5		TAS CH/S)	131.6		NT (N/M3)	4.041740.4		T014LS	4.745-81	110
	DISTANCE & 290 FT	PRECIP	360 de	2.998+93	3.685+91				•		•	•		.,3						2.105-72	6.1.1
	11510	321S	Ĵ	107	647	716	1241	1538	1935	2132	6296	2726	3623	1320	3617	3914	4211	4500			
2744	H20 FLIW RATER 25 GPM	2,003	36020	7.385+17	4.49E+C7	2.376+67	1.005-47	5.365+65	2.315.+	1.945+05	6.362+03	2.1.5+65	2.375+65	1.996+05	1.4.2.4.5	6.545+56	3.162+64	2.116+64		4.5 3 6.1	107
	FL)# R	3115	3	2.3	ř	6.3	2	102	122	16.2	161	191	231	121	142	26.3	.83	300			
		SCATTER	PROBE	8.27E+08	2. 65E+C3	6.965+63	1.1 TE+10	9.65€++3	7-196+03	6.27F+09	4.39E+F3	5.22E+09	3. 44E +19	2.855+43	1.916+09	1. 43E+09	6.54E+uB	3. C4F+0B		2.60E-01	20
	CAL FACTORE 10.0 PRESSUREE 13 PST	37.75	(4)	κ.	•	٥	•	01	17	27	16	61	20	26	3.5	50	4	08		SMIT	O LINE
	CAL FACTORE	( MM) a	150.1	ALT (KH)	4.861		TEMP (C)	-16.1		FOOSIPOTNI	-16.6		TAS (M/S)	131.6		NT (N/M3)	2108399,1		TOTALS	5.725-01	110
	DISTANCES 230 FT	PRECIP	PROBE	3.795+93	1.545+11	<b>.</b>		•	•	:	.;	•		:	•		3.	•		2,455-32	<b>40</b>
	DISTAN	SIZE	35	3	647	7 76	1241	1538	1935	2132	5242	2726	3023	332C	1617	1914	4211	4504			
	PATER 25 GOW	C.00.2	2409E	4.385+67	17+366*	2.7 35+1.7	1.+8E+07	7.375+6.5	3,375+[6	1.552+16	4.495469	4.455+65	2.09E+15	2.275+55	.:	7.36C+F4	6.112+C4	T. 525+F+		5.+6E-C1	107
	450 FL 34 P	5215	3	23	¥	ŝ	6.	112	12.2	14.2	161	181	201	121	7-7	563	29)	330			
		SCATTER	₽438€	7.586+69	1.976+19	7.05E+03	1.636+10	8.24E+09	5.79E+u3	4.54E+39	3.65E+09	3.735+69	2.59E+39	2.15E+09	1.28F+09	9. 57E+03	4. 33E+3s	6.53E+38		1.946-01	3¢
	PRESSURER 13 2ST	37 T S	(Dav)	2	•	•	•	2	15	=	.c.	<b>5</b> 7	92	22	2	92	20	200		3	MEO 0

SAMPLE: 228
F\_IGHT ETG-04, ON 24, JAN 79
I SECONT AVERAGING
I VERNAL STATE \*21.23.34\*
PARTICLE SIZE OUTTOWS (NUMBER/N++3-M4)
I TPE: RAIN SAMPLE: 229 AFGL

F\_ISHT ET9-D4 ON 24, JAN 79 1.5ECOND OVERAING

INTERNAL STATT=94 1235.52\*

PARTICLE SIZE DISHLAUTIONS (NUMBER/H\*\*3-HY)

TYPE: RAIN

CAL FACTORE 18.8	(EE) 0	ALT (KM)		TEMP (C)	•	FROSTPOTET	-16.5	,	TAS GAZS	131.6		NT (M/HS)	1295462.4		707ALS 3.25E-61	112
DISTANCE: 260 FT	PRECIP	2.926+33	•	• •					•	é	•				1.986-92	3
11210	\$12F (MU)	32	*	1241	1835	2132	2429	2726	3023	3320	3617	4 161	4211	1586		
420 FLJW RATER 25 GP4	CL 043	5.056+07	1.906.67	6.74E+66	1.385+56	7.365+05	3.1 6E+05	2.982+05	6.5 BE+04	1.265+65	3.305+64	3.795+84	4.1.25+84	2.7.1E+04	3.0 9E-01	117
FLOW R	\$175	63	9	261	12.2	*	161	191	797	162	245	26.0	780	470		
	SCATTER PROBE	9.116+00	5.4E+03	1.16E+13	7.91E+09	7 . 00E+09	5. 22E+09	5.78E+69	3. 88E+09	3.45E+09	2.11E+09	1 . 65E+09	7.50E+08	8.99E+68	2. 94E-01	2
CAL FACTOR 10.0 PRESSURE: 11 PSI	SIZE (HJ)	t vi	٠	. T	~	*1	91	=	75	22	*2	96	92	30	28.7	
	P (MB) 556.1	ALT (KH)		16.2		FROSTPOINT	-16.6		TAS (M/S)	131.9		NT (N/RE)	1.44960.8		TOTALS	111
PISTANCE 230 FT	PROBE	2.955+33 3.07E+01	•		•	•	;		-	:	•	:	:	•	2.07E-12	114
MISTA	SIZE (MU)	4.04 5.44	*	1536	1035	2132	2429	2726	3923	1320	3617	161	4211	4 50 6		
NES 25 634	2, UU) 23,09E	A7E+17	2.585+47	1.00E+67 5.53E+63	4.1.E+P6	1.515+05	8.245+85	2.99E+£5	3.145+65	1.265+05		1.500+04	2.39E+04	2.37E+04	4.35E-01	
N2O FLJW KATER 25	315E	4 23	6.	197	122	142	191	191	201	221	241	269	290	3)8		
	SCATTER PRO9E	7.36E+08 2.12E+09	6.57E+09	9.07E+09	6,66E+C9	5. 84E+89	4.52E+fi	4.81E+09	3, 33 € + 69	2.83E+89	1.99F+69	1.51E+69	6.32E+u8	8.546+68	2,53E-01	5
PRESSUPER 13 ST	S12E (M)	n s	•	· 3	27	=	<b>1</b>	2	2	22	₹	9.	<b>58</b>	7	29	

Water that is a second of the second

ACTION OF THE PROPERTY OF THE

CAL FACTOR: 18.8 F405TP01MT -16.5 ALT (001) TAS (M/S) 131.2 16.4 16.5 SAMPLE: 229
F.16HT E79-80 DW 24.3M 79
SECOND AMERICAN
INTERVAL STATT'S 21233370
PARTICLE SIZE DESTRUCTIONS (MUNICALNO-3-44)
TYPE: RAIN FL'34 RATES 25 GPM 2 18: 01 CAL FACTOR: 18.8 PRESSURE: FROSTPOINT -16.5 TAS (M/S) 131.5 7ENF (C) ALT (109) APT7 ICING SPRAY TEST BY AFGL PLISMT ETG-B4 ON 24 JAN 79 1 SECOND AVERAGING INFERVAL STATE-EP128339\* PARTICLE SIZE DISTABULIONS (NUMER/N\*\*3-H4) TYPEC RAIN DISTANCE: 200 FT 2.92E+93 1.54E+11 PRECIP PRESSURER 13 PST M20 FLOW RATE: 25 6P4 しきのでしててなることをあることをしたらのかっているのかっているのかっているのかっているのかっているとしたことをしていると SCATTER >400F 22 マイチャ さいさいこう いっちょう SAMPLE

S SEAT TOTME SPRAY TEST BY AFGL F\_IGHT E79-E4 OH 24 JAN 79 1 SECOND AVERAGING EVIZAVAL STATT=2312339 PARTICLE SIZE DISTRIBUTIONS (NUMBER/M\*\*3-44) TYPES RAIM SAMPLE 3 229 APPT2 TCING SPRAY TEST BY AFGL F\_IENT ET9-86 OV Z& JAN 79 I SECOND AVERNING INTERVAL STATIO-21/23/380 PARTICLE SIZE DISTRIBUTIONS (NUMER-XM0+3-44) TYPE? RAIN

TOTALS 2.416-01 111

2.11E-01 111

3,27E-01

1,585-12 468

3,37E-£1 111

NT (N/M3) 1195117.2

2.16E+64 4.12E+84 2.77E+64

NT (N/N3) 956361.3

CAL FACTORE 18.6 FROSTPOINT -16.5 3.57E-01 ALT (500) 76# (C) -46.3 êş. TAS 68/81 132.3 NT (N/M3) 1391587.6 OTSTENCES 200 FT 2.30E+13 1.53E+11 SIZE (#U) FLIW RATER 25 GPM 3.186-01 10.0 PRESSURER 17 25T TOTALS 2.296-81 182 FROSTPOINT -16.5 ALT (KH) 4.857 TAS (M/S) 131.2 NT (N/H3) 1027228.5 1EMP (C) DESTANCES 256 FT FLJW RATE: 25 6P4 36024 1712 PRESSURER 17 251 M20 7. 0.0 ft. 0.0 2. 15E-11 28

SAMPLE 229
PLIGHT E79-04 ON 24 JAN 79
1 SECOND AVERATING
TWISKARL START 211231339
PARTICLE SIZL DISFLAUTIVS (HUMBEY-Web3-M4)
TYPER ARIN

SAMPLE 229 F. TOTAL SPORT TEST BY AFGL.
F.ISHT 179-14 ON 24, JAN 79 I SECOND AVERAGING
INTERNAL STARTS FLESHAL
PARTICLE SIZE DISPERSIVES (NUMBER/M0-3-N4)

SIZ: SCATTER (4U) RAIE: 25 F.74 DISTRA SIZ: 26.68Fe09 4.7 F.4.7 F.4.7 F.4.4 F.4.7 F.4.4 F.4.7 F.4.7 F.4.4 F.4.7 F.4.4 F.4.7 F.4.7 F.4.4 F.4.7 F.4.7 F.4.4 F.4.7 F.4.7 F.4.4 F.4.7 F.4.7 F.4.7 F.4.7 F.4.7 F.4.7 F.4.7 F.4.4 F.4.7 F.	DISTANCE BUN FT	CAL FACTON 18.0 PRESSURE: 10 3SI	PRESSURE 1		3	420 Ft 34 RATE   25 GFH	STSTAN	TETANCEL 200 FT	
\$2647ER \$127 5.003 \$26463E 6 4 1 1.256.6 \$26463E 6 4 1 1.256.6 \$375.4 6 1 1.2 5.16.6 \$386.6 1 1.2 5.16.6 \$386					1 / J				
7008E (4U) 03.09E 6.65E-60 4.7 TE-17 5.25E-60 4.5 T		(BM) d	3415	SCATTER	5175	CF 000	5126	PRECIP	P (MB)
6.456668 23 4.7 feet 7 6.456669 63 13.3 feet 7 6.65669 63 12.2 2.0666 6.66699 12.2 2.0666 6.66699 12.2 2.0666 6.66699 13.2 2.0666 6.66699 13.2 2.0666 6.66699 13.2 2.0666 6.66699 13.2 2.06666 6.66699 13.2 2.06666 6.66699 13.2 2.06666 6.66699 13.2 2.06666 6.66699 13.2 2.06666 6.66699 13.2 2.06666 6.66699 13.2 2.06666 6.66699 13.2 2.06666 6.66699 13.2 2.06666 6.66699 13.2 2.06666 6.66699 13.2 2.06666 6.66699 13.2 2.06666 6.66699 13.2 2.06666 6.66699 13.2 2.06666 6.66699 13.2 2.06666	IU) PROBÉ	550.3	(H)	3408E	\$	380%	ŝ	360èd	558.4
2,666499 43 1318; L7 10.25 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.	·	ALT (KM)	<b>6</b> .1	5.15€+08	2.	6.1750.7	7 04	1.495+13	ALT (KP)
\$4.0200.00	47 1.535+11	4.659		1.59E+09	*	4.205+07	64.7	1.542+31	4.657
1.020010 1.0	_		•	5. 20E+09	6.2	1.915+(7	116	:	
6.5776.49 6.6626.89 6.8626	.41 G.	TEMP (C)	=	7.16E+19	9.2	5.336+05	1241		TEMP (C)
6.666.89 12.2 1.2.0E.F.R. 2.8.4.6.6.99 12.2 1.3.4F.L.6.3.4.6.69 15.1 4.3.4.6.6.9 15.1 4.3.4.6.6.9 15.1 4.3.4.6.6.9 15.1 4.3.5.6.6.4 15.1 4.3.5.6.6.4 15.2.5.6.6 15.2.5.6.6 15.2.5.6.6 15.2.5.6.6 15.2.5.6.6 15.2.5.6.6 15.2.5.6.6 15.2.5.6 15.2.5.6 15.2.5.6 15.2.5.6 15.2.5.6 15.2.5.6 15.2.5.6 15.2.5.6 15.2.5.6 15.2.5.6 15.2.5.6 15.2.5.6 15.2.5.6 15.2.5.6 15.2.5.6 15.2.5.6 15.2.5.6 15.2.5.6 15.2.5	36 3.	-16.7	0.7	5.896+09	132	5.305+65	1538	;	-16.2
5.6 kg e 0.0 kg 2 1.3 JF 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	35 0.		12	6.15E+69	122	2.2 SE+6.6	1975		
3.886663 151 4.35505 3.15609 131 5.35606 3.15609 2.1 3.5606 2.71609 2.1 1.5506 1.26603 2.1 1.35506 6.352643 2.3 6.36606 6.552643 3.3 2.46504	32 9.	FROSTPOINT	: ::	3,3354.9	142	3,356+5>	2132	•	F 20STPOINT
4,746.19 131 2.35E.75 2,156.19 2.1 1.35E.4 2,716.19 2.1 5.27E.6 1,25E.4 2.2 1.35E.4 6,5E.4 2.3 1.35E.4 6,5E.4 3.3 2.45E.4	., 65	-16.5	16	2.586+03	161	4.62E+F5	5429	;	-16.4
3,195e19 2.1 9,365e14 2,74649 271 6,726e14 1,645e49 241 1,195e14 1,265e49 251 6,495e14 6,525e43 333 2,465e14	26 9.		10	2.63F+33	161	1.315+(5	2726	•	
2.716.649 2.1 6.2726. 1.69E.43 241 1.3527. 1.26E.43 241 0.49E.4. 6.52E.4.3 251 4.5E.4.4 6.53E.4.3 333 2.46E.4.4	23 ".	1 NS (4/5)	20	2.016+69	201	1,7 25 4, 5	3023		TAS (H/S)
1.65Fe49 241 1.35Fe76 1.25Fe49 251 6.89Fe74 6.57Fe48 251 4.54Fe74 8.57Fe48 333 2.46Fe44		171.9	22	1.42 6+13	22.5	3.452.464	3326	•	141.5
1.2562-63 253 6.895-64 6.522-63 253 4.546-64 6.5326-65 333 2.865-64	17 0.		54	9.95E+68	14.	7.335+04	3517	•	
6.5225+19 1991 4.0150+12 4.5350+03 334 2.450+12	11	NI (N/HZ)	2	5.925+09	26.3	3.245454	3914	•	NT CH/HT3
6.53E+65 373 2.46E+L4	11 3.	1784772.1		2.336+04	26.3	1.505+1	4211	;	1535694.5
	3.6		,2,	3. 348 4. 9	3.0	1 45.	4508	•	
		TOTALS							TOTALS
LWC 2.37F-01 3.75E-01	2.115-12	3.56F-01	CM-1	1.326-01		5.33£-L1		1.055-12	3.44E-01
21	10 ET 2	115	C OBM	61		102		114	104

FAL FACTOR 18.0 -16.4 -16.4 TAS (M/S) 132.1 TOTALS 3.91E-01 112 4LT (KH) 1E4P (C) -16.3 NT (N/HT) 1455164.0 DISTANCE 201 FF 3.677+33 1.5340+33 0.00 0.00 0.00 0.00 0.00 2.485-12 3605d P304E PRESSUPER 14 PST 420 FLOW RATER 25 GP4 SCATTER これを作りなるののなるので

A FFT ICING SPEAT FEST BY AFGL FLIGHT E79-84 ON 24 JAN 79 1 SECOND AVERASING INTERNAL STATE-21124889\* PARTICLE SITE OSTSTRAJIONS (4U48ER/H0+5-44) SAMPLE : 234 SAMPLE: 23A FIGHT EFF-8-00 NO 25, 13M 79 I 55,000 AVED MAING FATTH PERIODS AVED MAING FOR THE PARTICULAR (MUNRES/MONT-4-4)
PARTICLE STATIC STA

SIZE   STATE				c × I	NIVE DICAL							TTPET CAIN			
SIZE	LE S SUPE		0 51.7	W FATE	2	DISTAN	ICES 208 FT		PRESSURE:		O FLUE R	ATE: 35 624	DISTAR	ICE: 286 FT	CAL FACTORS 14.8
\$\frac{1}{2}\triangler{1}{2} \triangler{1}{2} \triangler{1} \triangler{1}{2} \triangler{1} \triangler{1}{2} \triangler{1}{2} \triangler{1}{2} \triangler{1}{2} \triangler{1} \triangler{1}{2} \triangler{1}{2} \triangler{1} \triangler{1}{2} \triangler{1} \triangler{1} \triangler{1}{2} \triangler{1} \trian	5112	SCATTER	2		י מניינייני	5176	PRECIP	(df) d	3718	STATTER	32.5	כרטח	\$17E	PECIP	( <del>48</del> )
1.45F689 23 5.35F67 646 4.35F673 4LT (KM) 2 1.22F689 23 9.23F677 647 5.25F674 4.35F677 944 5.25F674 4.35F677 944 5.25F674 4.35F677 944 5.25F674 4.35F677 944 5.25F674 944 9.25F674 944 9.25	2	3 KO 8 E	Ę		300€	3	380ad	556.3	(H)	240BE	<u> </u>	P2095	S	PROBE	581.3
3.72E689	~	1.45 6+09	••	23 5,	.35E+67	101	4.355+33	4LT (KH)	~	1.236+89	23	9.236+07	3	5.25€+34	ALT (KM)
9.38EE69 62 2.59EE77 1241 3. TEMP (T) 8 5 9.88EE99 62 33.2EE77 1241 9. 1.54EE91 62 2.59EE77 1241 9. 1.54EE91 92 1.54EE97 1251 1241 9. 1.54EE91 92 1.54EE97 1251 9. 1.54EE91 92 1.54EE97 1251 9. 1	*	3.72E+89	. •	,	73567	64.7	1.516+11	4.659	•	3.64. 6.39	£ 4	5.802.87	547	<b>:</b>	4.659
1.42Ee10   0.2 1.12Ee77   124.1   0.4 1.4Ee10   0.2 1.56Ee42   153.0   0.4 1.4Ee10   0.2 1.56Ee42   153.0   0.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1	٠	9.38E+69	_	•	15 95 + 6.7	ž			۰.	9. A&E+89	6.9	3.126+17	**	:	
1.22Ec18 102 5.11Ec6 1538 016.0 10 1.1Ec18 102 7.5GCC6 1035 016.0 103.0 1.2 7.5GCC6 1035 016.0 103.0 1.2 7.5GCC6 1035 016.7 10.0 1.2 7.5GCC6 10.0 1.2 7.5	•	1.425+10	-		.12E+f7	1241		TEMP (C)	•	1.41 6+19	29	1.5 56+67	1241	•	TEMP (C)
6.12E-69 172 3.37E-06 1495 0. FROSTPOTMT 122 -878E-09 122 -878E-06 1835 0. FRQ 6.64E-09 142 2.37E-06 1435 0. FRQ 6.64E-09 142 2.37E-06 1435 0. FRQ 6.64E-09 142 2.37E-06 1435 0. FRQ 6.64E-09 141 6.59E-06 2.32E-06 1435 0. FRQ 6.64E-09 141 6.59E-06 2.32E-0 1435 0. FRQ 6.64E-09 141 6.59E-05 2.32E-0 1435 0. FRQ 6.64E-09 141 6.59E-09 141 6.59	10	1.22E+18	7	-	, 11E+C6	1536		-16.0	=	1.17E+18	207	7.502+05	1538	÷	-16.4
6.00Fg.50         14.2         2.00Fg.60	12	8.12F+89	-		.3 35 + 6 6	1915			12	7. F1E+09	122	4.382+66	1635		
4.09Ec0         161         9.7(20C5         2429         0.         -16.7         16         4.1EF0         151         6.59Er05         2229         0.           4.09Ec03         161         -3.02C+LS         2726         0.         726         0.         726         0.         726         0.         726         0.         126         0.         0.         126         0.	*	6.846+29	٠ 4		375+16	1132	•	FROSTPOTAT	*	6.436+69	142	2.385+66	21 32	<b>:</b>	FROSTPOINT
\$4 \text{4.36}{\text{5.6}} & 181 \text{6.32}{\text{6.6}} & 5726 \text{0.} \text{0.} \text{1.81}{\text{6.6}} & 5726 \text{0.} \text{0.} \text{1.82}{\text{6.9}} & 5827 \text{0.} \text{0.82}{\text{6.9}} & 712 \text{6.92} & 712 \tex	16	4. 89E+69	, =		624274	6246		-16.4	91	4.116+09	191	A.59E+C5	6292		-16. 3
3.716e79 201 3.306e75 3823 0. 785 10/5) 28 2.616e99 391 3.306e75 4823 0. 748 2.2 2.6576e39 221 4.326675 3820 0. 2.2 2.6276e39 221 4.326675 3820 0. 2.2 2.6276e39 221 4.326675 3820 0. 2.2 2.6276e39 241 1.326675 3617 0. 2.2 2.6276e39 251 1.326675 3617 0. 2.2 2.6276e39 251 1.326675 3914 0. 2.2 2.6276e39 251 1.356675 3914 0. 2.2 2.62769 251 1.356675 3914 0. 2.2 2.62769 251 1.356675 3914 0. 2.2 2.627699 251 1.356675 3914 0. 2.2 2.62769 251 1.356675 3914 0. 2.2 2.62769 251 1.356675 3914 0. 2.2 2.62769 251 1.356675 3914 0. 2.2 2.62769 251 1.356675 3914 0. 2.2 2.62769 251 1.356675 251 1.2 2.62769 251 1.35675 251 1.2 2.62769 251 1.35675 251 1.2 2.62769 251 1.35675 251 1.2 2.62769 251 1.35675 251 1.2 2.62769 251 1.35675 251 1.2 2.62769 251 1.35675 251 1.2 2.62769 251 1.35675 251 1.2 2.62769 251 1.35675 251 1.2 2.62769 251 1.35675 251 1.2 2.62769 251 1.35675 251 1.2 2.62769 251	13	6.87E+1.3	-	Ī	345465	2726			91	4.34E+83	181	6.36E+65	2726	•	
3.25e.65 221 1,37e.65 3320 % 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2	3.716+69	- 6		1970	E 6.85	9.	TAS (9/5)	28	2.616+09	14.	3.3464	1823		145 (4/5)
2.276+09 241 1.135+04 7617 0. W7 (N/M2) 2-0 1.996+09 241 1.135+65 3617 0. WT (N/M2) 2.5 1.566+09 241 1.135+65 3617 0. WT (N/M2) 2.5 1.556-69 250 1.156-65 3814 0. WT (N/M2) 2.5 1.356+09 250 1.156-65 4.211 0. 2.366+09 250 1.156-65 4.211 0. 2.366+09 250 1.156-65 4.211 0. 2.366-69 301 2.366-60 2.316-40 2.316-40 2.316-40 2.316-40 3.316-62 4.518 0. TOTALS 1.06-63 3.3 1.	7	3.248+63	1		325+65	3320		114.0	22	2.57E+03	147	4. 3 36 + 65	3326	÷	137.9
1.77800 263 5.34504 8. WT (M/M?) 26 1.57809 26) 1.34605 3914 8. R71.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	2	2.275+69	•		3 4 2 E 4.	1617			•2	1.95€+09	241	1.136.65	3617		
1.02Ee09 307 5.525 4211 3. 1.21607.8 25 7.316.06 297 1.1556.5 4211 4. 227 1.22Ee09 307 5.525 450 2. 7.316.03 3.1 5.526 450 2. 56 1.1 5.526 450 2. 56 1.1 7.316.1 3.456.1 3.456.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1	*	1.77F +FG	. ~		36.00	391 4		EN (R/HI)	9,	1.575+09	26.	1.345455	3914		PT (NAT)
1.22E+09 303 5.525+L 4502 3.  3.43E+01 5.24-41 3.25E-32 5.52E-91 LMC 2.50E-01 7.335-(1 3.45E-31 1  3.43E+01 5.24-41 3.25E-32 5.52E-91 LMC 2.50E-01 7.335-(1 3.45E-31 1	23	1.015449	1 6		35.46	4211		1721667.8	53	7.316+48	283	1.155.65	4211		2294921.7
3-45E-01 5-2-F-1 3-25E-12 5-5E-01 LMC 2-56E-01 7-135-(1 3-45E-)1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$	1.22E+09	- <del></del>		325+14	4506			£.	1.016+03	313	3.335+[.	4536	•	
3.45e01 5.24F-61 3.25F-12 5.52E-91 LMC 2.56E-01 7.25-61 5.45E-11 1								TOTALS							TOTALS
12 11 11 406 123 MED 0 21 122 404	3	3. u.3E-91		45	19-LA 50		3.255-12	5.52E-91	3	2.582-01		7.335-61		T. 45E-11	1.05E+03
	MED	21			114		<b>*</b> 06	123	ME3 0	12		122		101	186

AFFT IN SPARY TEST BY AFGL
F\_ISHT EF9-D& D4 26 JAN 79 1 SFCON) AVEDATING
TYTERAL STAFFT FF12124645
PARTICLE SIZE PISTABLITONS (NUMBER/NEST-49)
TYPES RAIN SAMPLE! 23A

CAL FACTOR: 14.8 FP0<1P01NT-16.3 707ALS 9.86E-01 126 4LT (KM) TEM CC) TAS (M/S) 123.3 2597374.1 ־ 7.39E+13 4.56E+11 PRECIO DISTANCES 290 CAL FACTOR'S LAS DRESSURES AS 351 H20 FLOW RATER 35 GPM 6.586-01 36020 \$12E 1.01E-01 26 SCATTER PROBE 21S FPOSTPOINT -16. 1 TOTALS 6.67E-01 121 TE 4E (C) TAS (M/S) NT (N/M3) 2348[11.6 P (48) ALT (KM) DISTANCES 200 FF 5.24E+13 6.64E+11 \$12F PRESSUPER AU 3ST 420 FLOW ANTER 35 GOM 3,315+04 6,62E+04 4,54E+04 6.246-61 2,0J3 \$12E 10.70 to 10.00 to 10. 2.64E-61 21 SCATTER PROBE よのいいいないないないには もっち

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A RFFT ICING SPRAY TEST BY AFGL
FLIGHT E79-04, ON 24, JAN 79 1 SECONO AVERAGING
INTERVAL STRATISTATION
PARTICLE SITE DISTRIBUTIONS (NUMBER/Me+3-44)
IYPES RAIN SAMPLE! 23A AFFT ICING SPRAY TEST BY AFGL
FLIGHT E79-04 ON 24 JAM 79 1 SECOND AVERAGING
I HTERVAL STRAFFT+2112411\*
PARTICLE SITE DISTRIBULIONS (NUMBER/H+3-44)
IYPES RAIN SAMPLE 1 23A

CAL FACTOR: 14.8 1074LS 9.76E-01 179 F.0STP01NT TEMP (C) TAS (M/\$) NT (N/M3) 7=56%59.4 4.069 DISTANCES 200 FT 1.256+34 PRECTO ST7E PETALED BOSPEAN CHARLES SUBSECTION BOSPE BUSE SUBSECTION BOSPE FERRING SUSPECTION BOSPE FERRING SUSPE F FLOW KATES TS GP4 CAL FACTOR: 14.8 PRESSURE: 18 "SI H20 0.00 SCATTER PROBE にはのかえれまりのでかる りょうところん ことできる マストート TOTALS 8.43E-01 FROSTPOINT -16.7 TENP (r) -16.5 TAS (M/S) NT (N/M?) 2924651.1 P (MR) 550.2 4LT (KH) DISTANCE: 200 FT 4.51E+33 3.33E+31 FLJN RATE1 35 GPM 3.12E-71 112 SIZE (W) 420 1.756-01 ISd PRESSURE: 16

SAMPLES SAMPLE: 234 TF9-04 ON 25 ING SP9AY TEST BY AFGL
INTERVAL STATIGES! 624120
PARTICLE SITE DISTRIBUTIONS (NUMPER/MONTH)
INTERVAL STATINS (NUMPER/MONTH)

CAL FACTORY 14.0 FPOSTPOINT -16.3 0.01E-01 119 TAS (M/S) 137-1 NT (N/M3) 2738618.7 4LT (KH) TEMF (C) DISTANCER 200 FT 1.18E-32 406 4.745.13 1.526.11 36C0d S176 BEFT OR BORD OF THE FOR THE FO FLOW RAIER 35 CON 7.59E-01 116 3,047 P203E E215 CAL FACTOR: 14.0 PRESSURE: 14 PSI H20 2.10E-01 21 F <0STFOINT -16.3 TOTALS 8.26E-01 124 TENF (C) -16.5 7AS (4/S) 133.9 6LT (K4) NT (N/M3) 2891447.5 556.0 DISTANCER 200 FT 5,192+13 3,035+11 PRECIP SIZE FLOW RATES 35 COM 22035 3772 420 SCAFTEP PRODE ISc CT

FLIGHT E79-84 ON 24 JAN 79 1 SEGOND AVERANGING INTERFACE STATICS NATION OF PARTICLE STREET STATICS NATIONS AND PARTICLE STREET S
SAMPLE 1 23A
SAMPL
SAMPLE: 234 SAFT; TOING SPRAY FEST BY AFG. FLIGHT FPS-GA ON 25 JAN 79 1 SECOND AVERGING INTERL STAFF 21 25 SS. PARTICLE SIZE DISHQUATIONS INLY REAVAPPE, THE

CAL FACTOR: 14.0	986.1	PT ( CER)	-		TENE (C)	10.0		F 2 O 4 TP-01 at	-16.4		185 M/S1	6 7 2 1	1	LT (11/42)	2.27.4761.5		TOT &L S	3.646-01
DISTANCE: 298 FT	######################################	2.666.13	9.126+91	-		-				: -							1	2.175-32
DISTA	325	;	ì	į	1261	151	3 2 2	1.32		2776	1323	325.	Tet.7	1916	.211	15.		
HZO FL'18 RATER 35 GP4	3.000 3403E	3.575.67	3,157+07	1.716+67	7.3 42.46	3.392+fb	1.305+(6		4 00+63	T. 17 . + f 3	2.7624.5	1.96 +65	6.305.6	3.235+. 6	6 9 . 4	1.136.14		*.
FL'SE R	\$17£	23		2	6	112	122	162	141	191	10.	124	245	9.	133	7		
	SCATTER PROBE	1.42.49	6.68c+09	1.245.18	1.796+18	1.556.18	1.96 . 1.	8.62£+89	4.45.49	4. 86E+E9	3.195+09	2.97E+03	2.032+09	1.75€ 469	8,65E+49	1.375+09		3,636-61
PRESSURE	SIZE	~	•	•	•	97	12	*	9	13	20	22	3.2	92	92	2		150 J
CAL FACTOWS 14.0 PRESSURES 18 PSI	P (NB) 554.2	ALT (KH)	4.860		TENP (C)	-16.5		FROSTPOTNT	-16. 7		14S (M/S)	137.0		NT (N/H?)	1662739.5		TOTALS	5.55c-01 127
JISTANCES 200 FT	PRECTP PROBE	3.236+13	1.526+01			÷		•	•				•		:			2,16E-32 +87
91214	\$15E (40)	7	3	ż	1241	1538	1635	2112	0440	2776	<b>4023</b>	1326	3617	3914	4211	153		
ITE1 35 6P4	C.00.3	4.706.47	3. P 9E+C7	7-376+67	1-125+67	6.95€+05	2.322460	2.1ºE+C6	9.412465	**の少にもしら	3.435465	1.376+15	2.885.5	3.3 JE++4	4.76F+f 4	3-195+[+		5.33£-u1 123
M20 FLJM RATEI 35	872E	23	•	52	95	707	152	142	191	191	10:	127	741	25.0	133	941		
	SCATTER PROBE	1.134.09	3.892+89	1.098+10	1.516+10	1,226+19	7.14.6469	63+342-9	3.89£+89	4.35€+03	2,61£+09	5,356,5	2.026+09	1.676+09	8.39£+68	1.116+09		2,696- <b>0</b> 1 21
PRESSUREL 18 2SI	1218 (JRI)	~	•	•	•	2	12	<b>:</b>	15	2	<b>5</b>	?	<b>4</b> 2	*	2	36		463 B

SAMPLE: 239

F\_IGHT E79-84 OW 24 JAW 79

I SEGOND AFFERMEL STATE OF 12 SEGOND AFFERMENT FOR A SEGOND AFFERMENT OF 12 SEGOND AFFERMENT OF SAMPLE: 234 1FGH EYG-06, ON 24, JAN 79 1 SECOND AVERGING I TECOND AVERGING I TOTAL TALLY IN TABLE AT A TALLY

CAL FACTOR: 14.8	930.0	ALT (KN)	1.867		4-4F		Fension	-16.2	!	145 (4/5)	134.0	,	MT (MVP2)	1814621.8		TOTALS 5.28E-01 1.28	
DISTANCES 209 FT	Pent	-	3. *86 * 31				و.	•	<u>.</u>		•		•	4	: <b>.</b>	2.135-32	
9151	411	7	3	3 6 6		183	7.5	2	2726	182	3326	3517	101	421	5		
RATE 35 634	22.097	5. 3 Jest ?	4.5420[7	2.1 75.567	5. 364.01 6	2.325085	1.045.06	9. BCE. 65	3.175065	3.0 75+15	1.945465	1.365.65	4.575+64	3.175016	7.195+64	++39E-C1 115	
420 FL34 R	\$17E	2.3		<u>،</u>	192	122	3	191	141	70	727	7,	9.	189	2		
	SDATTER PROBE	9.976.68	** DRE+E9	1.256.18	1.93501	1.256+43	1.056.13	4.75€+09	4.7.6.19	2.57E+09	60+364.7	1.616.69	1.736+09	6.35E+88	1.635+09	3.126-01	
PRESSUREL 13 PSI	SIZE	٠.	•	<i>c</i> «	. 4	21	2	76	2	82	22	72	92	92	£	1 E	
CAL FACTORS 14.0	2°055	ALT (KW)	4.868	7E4P (C)	-15.6		FROSTBOINT	-16.1		TAS (M/S)	148.3		NT (M/HE)	1 196 394.0		70TALS 5.12E-01 137	
DISTANCEL 200 FT	98638e	6.97F+13	1.52E+11	. 6		<b>-</b>			:			:	•	•	÷	3.245-32	
01514	SIZE	101	3 8	1241	1548	1835	2132	5429	2726	3623	3326	1617	391 €	4211	4538		
1151 35 Gom	36020	4.7950.7	3.2 CE 4.7	90 7 15 44 0	97456509	63+36F*C	1.906+00	4,392+65	5.1 85.46.3	4.325+15	2,176+65	3.452+64	5.575+64	9.006+14	5.65E+B+	**796-61	
420 FLOA RATE!	\$15 (10)	<b>6</b> .	-	, c.	132	122	14.3	191	141	20.2	12.	261	76.9	28.3	363		
	SCATTER PP78E	1. 45E+89	4.496409	1,765+10	1.395+18	8.296+03	7.126449	4.86E+89	4. FSE+09	3.12E+89	60+356-7	1, 66 €+ 69	1.598+09	8.656+68	1.23E+89	2. 02E-01 21	
PRESSURER 10 PSI	\$12£ (MI)	~	<b>9</b> 4	•	97	15	#	9	3	₹:	22	*	2.	₹.	*	0 C3H	

SECTOTION SPRAY TEST BY AFGL.
FLIGHT E79-64 DW 24 DAM 79 1 SECOND AVERAGING
INTERVAL STRENGES1241319
PARTICLE SIZE DISTREBUIEWS (MUNDSA/M\*\*S-MM)
IYPER RAIM SAMPLE 1239 AFFI STATE TOTAGE SPANTEST BY AFGL
FLIGHT ETG-PG-NN 26 JAN 79 1 5520MD AVERAGING
INTERVAL STRETT-21124517
PARTICLE SIFE OFFIREJILING (NJMBCR/M\*\*\*\*\*\*\*)
FYGER 748171349 SAMPLE 1 238

CAL FACTORE 14.8 F\*051P01MT TOTALS 6.38E-81 113 TAS (M/S) 134.9 NT (N/HZ) 2726019.9 9.146 ALT (K4) 7EMF (C) -16.6 DISTANCE 200 FT 4.96F.13 1.50F.01 PROSF 311E FLJM RATE! 35 GPM 6.14E-01 189 0.003 P208: \$12E O COLOR DE LA CALACA DE COLOR 02¥ 8.57E-02 19 CAL FACTON 14.0 PRESSUPE: 14 PSI 3366222233334642 T.275-01 119 F-OSTPOINT P (MB) 558.1 ALT (KP) TEME (\*) -16.\* 14S (H/S) 134.7 NT (N/43) 250179f.9 -4.415-12 6.51E+3₹ 3.01F+31 PRECIP SISTANCE: 208 SIZE PRESSUPER 10 PST HER FLJH RATER 75 GFM 5.87E-f1 115 2,003 \$172 (#) 2.672-01 19 SCATTEP PROBE \$125 (AJ)

AFFL FLIGHT E79-04 ON 24 JAN 73 1 SECOND AVERAGING INTERVAL STATS-21:94134\*
PARTIZLE SIZE DISFREDITIVE (MUNDS-4/40-3-44)
TYDE: RAIN TH 032 13CHELSTO FLOW RATER 35 GOM 450 450 PRESSURES 13 2S1 CAL FACTOP: 14.0 AFFI ISTNG SPRAY TEST BY AFGL
F\_IGHT E79-04-01 N 24 JAN 79 1 SECOND AVERGING
I HERVAL STRATI-211241-22
PARTICLE SI76 DESTRAUTIONS (NUMBER/NEW)-M4)
TYPES PAIN DISTANCE: 200 FT FLOW PATER 15 GAM PRESSUREI 17 9ST H20

CAMPLE: 234

CAL FACTOR: 14.8 107ALS 6.99E-11 116 FROSTPOINT -16.1 TAS (M/S) 134.4 NT (N/H3) 2478633.9 A (#8) ALT (KH) TEMP (C) -16.4 1.502+34 PRECIP SIZE (MU) 56.50 56 6.81E-01 184 6,333 709£ 317E (40) 4.62 (4.04) 1.20 (4.04) 1.20 (4.04) 1.20 (4.04) 1.20 (4.04) 1.20 (4.04) 1.20 (4.04) 1.20 (4.04) 1.20 (4.04) 1.20 (4.04) 1.20 (4.04) 1.20 (4.04) 1.20 (4.04) 4.45E-02 19 4.43E+88 1.75E+69 TOTALS 6.65E-91 118 FROSTPOINT -16.2 540.7 ALT (KH) 4.867 TAS (M/S) 135.2 NT (N/H3) 2577519.4 TEMP (C) -16.7 3,66E+13 1,51E+11 PRESTO PROGE 6.41E-61 188 2,005 22,005 SIZE 1.65 \*\*\* 11.65 \* 1.39£+u9 5.78£+09 1.7.E-01 19 836472555566677 S12E (#U) 20

and the second

SAMPLE: 239

SAMPLE 1239 AFFI ICINS SPRAY TEST BY AFGL
FLIGHT E79-04 ON 24 JAN 79 1 SECOND AVERAING
I AFFIFT TO THE TO SAMPLE 1239

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CAL FACTOR! 14.6 F40STP01WT -16.1 7.75E-81 126 745 (M/S) 134.6 NT (M/N3) 2521334.6 ALT (881) 15mp (C) 7.28E+93 3.81E+31 DISTANCE: 200 FL 3H RATE! 35 GP4 7.266-61 70° 325 CAL FACTOR: 14.8 PRESSURE: 10 PSI HZO 1.53E-01 19 SCATTER SROBE 2325222222222 TOTAL 5 6.65E-01 121 F 205TP01NT -16.1 417 (##) TEMP (C) -15.3 TAS (M/S) NT (N/H3) 2326861.1 F. C. 2 5.842+93 1.58E+11 4.04E-37 JISTANCE: 738 PRCTP PRORE FLOW RATES 35 GP4 6.25E-[1 114 02H 7.965-02 19 STATTER 15 e et PRESSURE \*\*\*\*\*\*\*\*\*

AFFT ITTME SPRAY TEST BY AFGL
F\_IGHT EY9-B4 ON 24 JAN 79 1 SFCOM) AFERGENG
I HISRVAL STAFTI-E91254339
PARTICLE SIZE DISTRIBULIDAS (NUMFER/ME-3-MM)
TY9E3 RAIN SAMPLE! 234 RETO TOTME SPRAY TEST BY AFGL
FLIGHT E79-04 UN 24 JAN 79 1 SECOND AVERAGING
I MERCHAL STRATE-ELICATIST

DARTICLE SIFE DISTRALIANS (MUNTER/MORTH)
I YOER RAIN SAMPLE 1 239

CAL FACTORI 14.6 101ALS 9.90C-61 FROSTPOINT -16.1 745 (M/S) 136.2 RT (M/HB) 2423995.5 956.1 956.1 ALT (RE) TEMP (C) DISTANCES 250 FF 1.526+34 \$176 (MU) FLIM RATER 35 GPM 7.3<del>96-</del>61 114 35 36 36 36 36 36 3238 というないない はいない ないりょう CAL FACTOR 14.8 PRESSURER 13 PST. 420 1.916-81 20 SCATTER PROBE SIZE F P 0 S 1 P 0 I W 1 7.29E-01 TEMP (C) 1LT (KH) TAS CH/S1 174.1 NT (M/M3) 1988713.3 6 (mg) AISTANJER 2-9 FT 2.485+34 PRECIP FLOW RATER 35 604 5.48E-61 113 3,0J3 \$12 E かいまちまするようなどとはできるのののなっているののできましまっているもののできましまっているとはなっているというないといいない。 PRESSURE 10 PST 420 1.65E-61 19 SCATTER 2239E 22425823888

Salar and the sa

SAMPLE 1 238 HFT2 TOING SPARY TEST BY AFGL FLIGHT 279-04 OV 24 JAN 79 1 32COND AVERAGING INTERNAL STRATE, 221274339 PARTICLE SIZ DISTRIBUTIONS (MUM REPARMS 44) SAMPLE 239

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CAL FACTOR 14.8 FP.051POINT ALT (KM) 4.063 TEMP (C) TAS (M/S) NT (M/H3) 1338629.8 3.40£+30 1.5vE+31 PREC1P P408£ DISTANCE: 239 SEE ATTORNO TO THE SEE THE SEE ATTORNO TO THE SEE THE SEE ATTORNO TO THE THE SEE ATTORNO TO THE SEE THE SEE ATTORNO TO THE SEE FL'3W RATER 35 GF4 4.73E-61 111 C\_040 420 2.666-01 SCATTER PROBE CAL FACTOR: 14.0 PRESSURE: 10 PST 3218 42334425 7.28E-31 FOOSTPUTNT -16.0 P (MP) 549.9 ALT (KH) 4.864 TEMP (?) -16.3 TAS (M/S) 136.7 NT (N/ME) 2583219.2 4.776+13 PROSE PROSE DISTANCE: 230 3218 FLOW KATER 15 GPM 6.35--61 G\_00J 11 101) PRESSURE: 10 251 H20 2.425-01 SSATTER PROBE

AFFTS TSING SPRAY TEST BY AFGL
FLISHT E79-04 ON 24 JAN 79 1 SECOND AVERAGING
TWERFAL STATE=21124142
PARTISLE "IVE DISFARSING (NUMBER/N=03-NM)
TYPE: RAIN SAMPLES 239 AFFT ISING EPRAY TEST BY AFGL
FLIGHT EP9-D4 DY 24 JAN 79 1 SECOND AVERAGING
INTERVAL STRATE-D1024143\*
PARTICLE STYE PTSTRUMING (NUMME 2/444744)
TYPET RAIN SAMPLE: 239

CAL FACTOR: 14.8 TOTALS 4.14E-91 198 FPOSTPOINT -16.8 TEMP (C) 145 (M/S) 134.7 NT (N/MS) 1575518.4 ALT (KP) MISTANCER 200 FT 1.46E+13 1.5vE+11 PRECTP SIZE er proposition and companies of the proposition and companies of the proposition of the p CAL FACTOR: 14.0 PRESSUPE: 10 PSI HZO FLOW RATE: 15 GPM 7.82E+63 1.66E+6+ 1.31E+6+ 0.0JJ \$12E ( ₩) 1.030 + 0.030 2.97E-01 20 SCATTER PROSE TOTALS 9.87E-01 213 FPOSTPOINT -16.9 ALT (KH) TEMP (C) TAS (H/S) 134.6 NT (N/H3) 2098266.5 549.A DISTANCE: 2-9 FF 5.556+14 PO€CIP PQJAE S12F (3U) FLIN KATER 35 GP4 2\_0J3 3175 PRESEURET 13 PST H20 2.755-01 SCATTEP PRO9E S772 (#))

SAMPLE: 238
F.IGHT E79-84 ON 24. JAM 79
I SECOND AVERAGEME
THTENAL STATT = 21.25.445
PARTICLE SIZE DISTRIBUTIONS (MUMBEA/H==3-44)
TYPER GAIN 

CAL FACTOR: 14.0 FR057P0INT -15.9 TOFALS 1.12E.08 204 TAS (M/S) 136.6 NT (M/M3) 1989622.3 A.T. (1971) 7EMP (C) DISTANCE: 200 FT 7.75€+84 FLOW RATE! 35 GPM 6.11E-01 124 PRESSUREI 18 PST M20 3.66E-01 20 SCATTER PROBE L\*C CAL FACTOR: 14.8 TOTALS 5.56t-01 116 FPOSTPOENT -15.9 TAS (M/S) 134.2 NT (N/HE) 1997269.7 P (HB) 550.2 164P (C) 4LT (KH) 5,37£+13 3,12£+11 7.66E-17 +09 DISTANCE 1 200 FT PRECIP PRESSURE 10 PSI HZO FLOW KATER 35 GPM 6.546.07 2.725. 5.2 CE-L1 111 \$12E ( 45) 9.55 1. 65 1. 65 1. 65 1. 65 1. 10 1.

AFFICITION EPRAFIC SPRAY TEST BY AFFIL FIGHT EFF-64 ON 24 JAN 79 1 SECOND AVERAGING INTERPRETATE 2112 AFFIL SPRAY STATE OF STATE STATE OF SAMPLEI 239 SPETS FOLMS SPRAY TEST BY AFGL
F.IGHT \$79-64 ON 24 JAN 79 1 SFOND AVERACING
I TEFFAL SPRATT\*2912\*144\*
PARTICLE SIZE DISTRUITING (WUMBER/W\*\*3-44)
TYPET RAIN SAMPLE 1 233

CAL FACTOR 14.8 frostpoint -45.9 TAS (N/S) 134.6 TEMP (C) -16.5 ALT (KM) NT (W/HB) 1722953.4 DISTANCES 200 FT 1.83E+93 3.81E+81 PROSE BENEVIS OF THE STATE OF THE STA CAL FACTORI 14.0 PRESSURER 10 PST MZO FLOW RATER 35 GP4 6.32E+07 4.98E-81 120 \$17E (4U) 6.74 (6.90 (7.10 ( 3, 28E-01 SCATTER FP 05 TP 01 NT 70TALS 5.36E-61 118 TAS (H/S) 134.5 NT (N/H3) 2094993.7 550.1 ALT (KM) TEMP (C) -16.4 DISTANCES 2"0 FT 9.41E+30 1.51E+31 PRECTP 5.35E-01 HED FLIN RATES IS BOW 2,010 2209F 9.55E+09 4.65E+09 1.37E+10 2.05 G 2.07 G 1.07 G SCATTER PR786 PRESSURE 13 251

SAMPLE: 238 APPT: ICEMS SPRAY TEST BY APPL	FLIGHT ETS-84 DM 24 JAM 79 1 SKEDAD AVERAGING	idicate strate the strate of t		FIGS 134AL
SAMPLE : 238 AFFTS TOING SPOAT TEST BY AFGL	FLIGHT ETG-ON 24 JAN 79 1 SECOND AVERAGING	TATERATE STARTE SEEDS	(ナナーシャナス/かいモナコナ) 5/2011コの1/21570 12/215 13/10/11/244	罗斯特斯 电测点外径

:

CAL FACTOR!		ALT (KM)	16% (C)	F4021P01MT -15.0	145 (M/S)	N7 (M/M3)	707ALS 9.60E-01 129
DISTANCE 200 FT	P46079	2.986.94		:::			0. 1.94E-31 484
01544	\$12E	***	1241	6292 2512 7613	2726	3617	1 0 0
FLOW BATER 35 GPM	0.00%	1.895+68 7.86E+87	1.795-07	5,39£•06 2,73£•00 1,16£•06	4.09E+0.5 4.06E+0.5 7.98E+0.5	3 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5.26E+P4 7.P45=61 111
FLOW P	\$12E	233	200	152 142 161	191	138	ĝ.
0 PST W20	SCATTEP PROBE	1.29£+69 5.40E+89	1.946.18	7.23E+69 3.23E+69	3.216.03	1.21E+89 1.05E+09 6.53E+68	9. bl E + u 8 2. 16E - 01 19
PPESSURE: 1	3718	N 7 4	9 4 5	2 7 9	20 20 20 20 20 20 20 20 20 20 20 20 20 2	1288	MED D
CAL FACTOR: 14.9 PRESSURE: 18 DST	P (HB) 550.1	BLT (KM) 6.861	TEMP (C) -16.5	F 205TP01MT	14S (H/S)	CN (N/49) 12 CN (N/49) 12	7074LS 5.79E-91 115
DISTANCES 200 FT	PRECIP	3.04E+03	• • • •				5. 2.12c-32 411
DISTAN	\$12E	336	1521	1132	3823	3617	e 0 5 4
17£1 35 GPW	51.0JJ	4.57E+u7 5.102107	1.315.67	3.2.3.6.0.6 1.3.2.0.0.0 7.3.7.0.0.0	7.61E65 1.395+C5 1.345+65	3.595+1.5 5.595+1.5 3.165+1.4	2.10E+ft 5.18E+ft 112
HZD FL3W RA	S12E (#)	8 F C	26.00	161	13.5 12.5 12.5 12.5 13.5 14.5 15.5 15.5 15.5 15.5 15.5 15.5 15	7.7.5	2
	SCATTER	1.07E+03 5.06E+09	2.027.14	1.14F+10 1.11E+19 5.04E+49	2. 13E+03 2. 13E+03	1.576-09	1. 65£+03 3.05F+C1 20
PRESSUREI 18 PSI	\$ 12E	en se u	• =	2 2 2	13 13 13 13 13 13 13 13 13 13 13 13 13 1	**************************************	L EG

SAMPLE: 239
FLIGHT E79-04 ON 24 JAW 79
1 SECOND AVERAGING
INTERNAL STATT # STATE \$10
PARTICLE STRE DISTORMERANWER AVER AS TYPES RAIN SAMPLE: 239
F\_IGHT E79-04, DV 24, JAN 79
I SECOND AVERAGING
INTERFACE STATTS \$128448\*
PARTICLE 872E DISTRIBUTIONS (NUMBER/MSS-HV)
TYPE: RAIN

	CAL FACTOP! 14.8	(#E) •	39:1	4,7 (479)	£. 66.7		TE# (C)	-16.5		FROSTFORMT	-15.0		TAS (M/S)	139.6		- (***)	2362424.9		TOTALS 6.02E-81 116
	MISTANCEI 200 FT C	PRECIO	36 C a d		3.446+11		:	•	÷	-	:	-	=	÷	<b>:</b>	=	2	-	4.286-32
	nistan(	S12E	ŝ	;	4	**6	1.241	1578	1035	2132	6 2 4 2	2726	3023	3326	3617	3916	4211	9 164	
14.61 44.18	HZO FLOM RATER 35 GPM	0,040	P439E	8.7 6E+07	5.576+67	1.936.07	1.575.07	8.172+66	3.975.66	2.54666	7.342+63	5.625.05	2.796.65	1.5 36 + 1 5	3 1E . D.	5.705+64	9.555+81	6.196.11	6.39E-01
-	FLOM RA	\$175	ŝ	23	,	62	82	10.	122	162	161	161	28.1	122	241	3.5	28.2	20.0	
		SCAFTER	2 ROWE	1.426.89	5.91° +89	1.455+10	1.356+10	9.31E+09	4.76E443	4.56E+99	2.03E+09	2.13E+09	1.3150.9	1.116+09	6.85E+08	6.37E+88	2.515+08	4.745+08	1.32E-01
	PRESSURER 1	\$126	(HC)	~	•	.0	•	97	15	*	97	18	28	22	*2	78	23	<b>5</b>	•
	CAL FACTOR: 14.8 PRESSURER 14 PSI	( NO )	550.1	ALT (YM)	4.861		TEMP (C)	-14.5		FOOSTPOINT	-15.8		TAS (M/S)	135.2	1	NT (N/N3)	2788577.6		TOTALS 9.13E-01 126
	DISTANCES 200 FF	PRECIP	PROPE	6.49E+13	1.506.11		•		•	•	٥.								4.07E-52
	W \$1 \$10	\$12c	<b>?</b>	*0*	7 50	716	1241	153 4	1935	2132	5459	2726	1023	3339	361.7	3914	4211	4506	
M 7 8 7 1 1 1 1 1	He 9 3 COM	0.00	3€0≥€	1.002+68	6.045+67	3.516+07	1.356.4	1.125.07	4.356.06	2.7 SE+66	1.516+66	9.7 82+55	4.1 6€+05	1.375+65	1.705.65	1.47E+C5	1.275+45	7.935+64	8.72E-61 122
	HZO FLOW RATEL 35	3415	(43	23	<u>,</u>	29	82	102	12 2	142	191	191	201	122	192	96	82	300	
		SCAFTER	PR796	9.4964.8	4.81E+09	1.495+10	2.63E+10	1.06E+10	1.165.10	1.628 +18	5.87E+03	5.848+09	2.546+89	2,286+19	1.376.09	1.745.89	7.78€+08	1.696+49	3.86 E-01
	PRESSURE: 10 25T	3215	(H)	2	•	•	•	97	12	#	91	87	2	7.	<b>%</b> 2	92	92	<b>3</b>	99

The second second

346	CAL FACTORS S	7.100 7.61.1	ALT (K4)	+• <b>8</b> +		TEMP (C)	-16.6		FROSTPOINT	-12.1		145 (R/S)	135. 3		NT CN/N31	2513176.4		TOTALS	9.305-01	5.
1237 BY AFG. 1 SECOND AVENSING 14153P 14153P	DISTANCE: 208 FT	PRECIP	3.165+94	•	1.576+31	<b>:</b>	:		÷	÷		•	•	ະ	;		ئ		2.135-71	409
7 TEST 1 S 1124153 (NUMBE	AT \$10	\$17E (#U)	3	ž	**	1241	1516	1035	2112	5429	2726	3823	3320	3617	3914	4211	4500			
AFFT ICING SPRAY TEST BY AFGL F.IGHT E78-84 DW 24 JAM 73 S. SECOMM ANEM FARTICLE SILE DISTRAUTIONS RHUNDERAMOSE-MAY TYPES RAIN	H20 FL7W RATER 35 GPM	C_863	9-146+37	5.976+67	3.156.47	1.596.67	9.145+66	5.336.66	2.666+66	1.040.6	5.972465	4.7 26.05	1.335+55	1.36E+f3	3.27506.	6.316+04	5.65€+(4		7.285-01	115
147 EN 147 EN 1	FL7# R	3176	23	* 4	29	35	707	122	1.62	161	141	26.5	122	241	200	200	300			
u.º		SCATTER PROBE	1.135+09	4.91E++9	1.05E+10	9.536+09	5.86€+69	3.67E+89	3.104.09	1.5+6+09	1.65E+69	9.345+48	1.05 . +09	5.148+08	4.63E+08	2.57F+08	4. 34E+08		1.036-61	19
SAMPLE 1 239	PHESSUKE 1	SIZE	~	•	•	•	2	75	2	15	97	2	~	<b>%</b>	97	20	2		CHI	MED D
Inc	CAL FACTOR: 14.8 PRESSUME: 18 PSI	6 (##) G	ALT (KH)	4.854		1EH6 (.)	-16.4		FROSTPOTAT	-16,7		TAS (M/S)	175.2		HT (N/H2)	23.19023.9		TOTALS	7.62F-01	109
71 N5 SPORY TEST BY AFGL JAN 79 1 SECOND AVERAGING STATIN-23122158** \$17 TIONS (MUMBER/M**T-MY)	DISTANCE: 298 FT	PRECIP	3.44.593	1,586+11			•			.0		•		•		•	•		2.06i-17	#G+
1 5 1 5 1126151 (4UMBE	21514	SIZE	4.54	2 49	116	1241	1578	1935	2132	444	3776	3623	3326	3517	7 161	4211	4594			
	ATE: 15 6PM	7_00J	9.1 46 + 27	6.96E+07	3.45€+67	1.375+67	1.136.67	4.65E+L	2.542+66	9.51c+C5	7.665+05	7.346+( >	2.145+65	5.900.00	5.+ 9E+f 4	* D + H 9 9 * 7	434364€		7-416-61	101
AFETS 14 DA 14TEKA SIZE OL	420 FLJW RAT	STZE	23	m y	52	82	1.2	75.5	142	191	191	172	121	142	14.9	90.	100			
AFFT) I FLIGHT E79-84 04 24 I4TEKAAL PARTICLE SIZE 01ST TYP		SCATTER 3408E	3. 38E+49	5.17E+u9	1.23€+10	1. L7E+10	6. 91E+09	3.57E+89	Z.5+E+19	1.648+09	1.755+43	9,815+08	9.415+08	0.70€+08	4.20F+u8	2.64E+69	4. 63E+uB		1.096-01	19
SAMPLE 238	PRESSURE: 19 PSI	100) 321 c	~	•	•	•	=	21	<b>±</b>	<b>\$1</b>	<b>5</b>	2	22	42	96	£2	26		)   	HEO 0

CAL FACTOR: 14.8 ALT (KM) 4.863 FROSTPOINT -15.7 TEMP (C) -16.4 7AS (M/S) 135.3 NT (N/H3) 2963186.8 556.8 DISTRUCES 208 FT 5, 436+13 3.63E-92 PROSE 9.566-81 てく こうしゅうしゅうしょう こうごうしょうしょうしょうしょうしょうしょうしゅうしゅうしゅうしゅうしょうしょうしょうしょうしゅうしょうしょうしゅうしょうしょうしょうしょう CAL FACTOR: 14.0 PRESSURE: 10 PST H20 1. 77E-61 20 FROSTBOINT -15.7 4LT (KH) TAS (M/S) 135.4 NT (N/H3) 2372241.6 549.4 TEMP (C) DISTANCES 209 FT 5.45F+93 5.98E+11 0. FLOW RATER 35 GOY 3L007 OZH ISc ff IEanssana 

SAMPLE: 239
F.ISHT E79-64 ON 24 JAN 79
I SECOND AVERALING
I REPUAL SHATT=2112452\*
PARTICLE SIZE DISKENDITONS (NUMPEX/M\*\*)-44)
I YPS: RAIN

AFFI ISING SPRAY TEST BY AFGL
F.ISHT ET9-04 ON 24 JAW 73 1 SECOND AMERING
THERAL STATE-21124154PARTICLE SITE DISTRACTIONS (NUMBER/ME-3-44)
TYPE: RAIN

SAMPLE 1 239

FLIGHT E79-04 ON 24 JAN 79 1 SECOND AMERACING INCOME AND A 1 SECOND AMERACING INCOME. SAMPLE 1 238 APPT TOTAG SPARTEST BY AFGL
FLENT E79-04 ON 24 JAN 79 1 SECON) AVERAGING
INTERVAL STRATIFFLY 124155\*
PARTICLE SIZE DISTRIBULING (NUMBER/M\*\*1-NU)
TYPES GAIN SAMPLE: 238

CAL FACTOR: 14.8 TOTALS 1.62F+89 219 FR051P01NT -15.6 TAS (M/S) 125.1 ALT (KM) TEMP (C) -16.6 NT (N/N3) 956.8 Ī 5.93£+84 DISTANCE: 200 SIZE (UN) FL 34 RATE! 35 GPM 5.27E-61 129 2.000 2.09E 312E CAL FACTOR: 14.0 PRESSURE: 10 PSI M20 5.00 1.00 3.89E-01 20 SCATTER PROBE F20STP01NT -15.6 707ALS 9.16E-01 131 4LT (KH) TEMP (C) -16.5 TAS (M/E) NT (N/H3) 2469758.8 P (48) 549.9 DISTANCE: 209 FT 4.63E-32 7.42E+37 1.59F+31 PRECTO SIZE (MU) HZO FLOW RATE: 35 GFM 88.8 89.8 3.70E-61 127 C. 0JD 1715 140) 8.28E+69 6.93E+89 1.44E+18 1.96E+19 SCATTEP PROBE PRESSURER 18 PST

AFFI ICING SPRAV TEST BY AFFI F\_IGHT EP9-D4 ON 24 JAN 79 1 SECOND AVEPAGING TWTFAAL STATTFF1124 E93\* PARTICLE SIZE DISTABULIONS (MUMBER/M#+3-M4) TYPE: RAIN SAMPLES 239 AFFIZ INTRO SPRAY TEST BY AFFI FLIGHT F79-04 ON 24 JAN 79 1 SECOND AVERAGING INTERVAL STRATO-21-24-155 P PARTICLE SIZE DISTRIGUITIVS (MUMBER/M\*\*3-44) SAMPLE1 239

CAL FACTOR: 14.0 FPOSTPOINT -15.5 70TALS 9.71E-01 116 TAS (M/S) 135.4 NT (N/H3) 2017266.4 ALT (KM) TEMP (C) F (MR) DISTANCER 200 FT 4,39E-12 489 6.37E+33 1.57E+01 PRECIP PROSE BUT TO SERVICE TO SERV SIZE CAL FACTOR: 14.0 PRESSURE: 10 PSI 420 FLOW RITE: 35 GPM 5.27E-61 118 0.0U) SIZE 4. 88E-61 SCATTER PROBE TOTAL S 8.05E-01 133 FROSTPOTNT -15.6 ALT (KH) TENP (C) -16.6 TAS (M/S) 134.6 NT (N/M3) 2250882.6 6 (MB) DISTANCES 200 FT 9.23£+13 4.51E+11 FLOW RATER 35 GPM 7.43E-61 125 3L040 S125 (W) PPESSURER 18 PSI H20 3.58E-01 29 SCATTER PROSE 

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AFFT TOTAG SPRAY TEST BY AFGL
FLIGHT E79-94 ON 24 JAM 79 1 BECOMD AVERAGING
INTERNAL STRAYTY-22125194\*
PARTICLE SIZE DISTRIBUTIONS (MUNDEA/HW-)-HM) AFT: ICING SPRAY TEST BY AFGL
F\_IGHT F79-84 ON 24 JAN 79 1 3ECOND AVERAGING
TYTERVAL STRAT\*-21125182\*
PARTICLE SIZE OUSFRBUITONS (NUMBER/M\*\*3-NY)
TYPE: RAIN

CAL FACTOR: 16.8 FR0STP01#T -15.3 TAS (M/S) 134.9 NT (M/H3) 2788616.6 ALT (107) TEMP (C) Î DISTANCE: 289 FT 5.776+13 1.91E+11 1.58F+11 4.16E-32 411 PRECIP FLIN RATE: 48 GPM C. 000 CAL FACTOP : 16.0 PRESSURET 18 PSI H20 94.47 11.00 11 1.69E-01 18 F40STPOINT 4.51-107ALS 1.29E+00 139 TAS (M/S) 135. 3 ALT (KM) TEMP (C) -16.8 NT (N/M?) 3\*98101.1 1.696+94 DISTANCE! 298 FLOW RATER 48 GOM 1.19E+f. 7, 00.5 P208: £215 (₩) PRESSURE: 18 3ST H20 9.00 6.00 1.76 3.25E-01 SCATTER PROBE **まれないないにいいい** 

AFFI ICING SPRAY TEST BY AFGL
F\_IGHT E79-E4 ON 24 JAN 79 1 SECOND AVERGING
I (TECKAL STRATE-21 (25165\*
PARÍTCLE SITE DISTABILITYS (MUMOFA/We+3-H4)
TYPE: RIN SAMPLES 24 AFFI ISING SPRAY TEST BY AFGL
F.ISHT ET9-D4-03 - 24 JAN 79 1 SECON) AVERAGINS
INTERAL STATISTICSEUS\*
PARTICLE SITE NISTRONITING (NUMBER/NEWS-HY)
TYDES RAIN SAMPLE 24

CAL FACTOR 16.8 F=05 TP-01 NT -15. 3 TEMP (C) -16.6 TAS (M/S) 139.2 HT (M/HZ) 268864-1 ALT (KM) DISTANCES 200 FT 3.662+34 PRECIP PROSE SIZE FLOM RATER &3 634 99.33 50 0,030 P203E STZE ( 40) 日本としてしている。 かっぱい ちゅうりょう こうこうしょう ちゅうしょう ちゅうりょう ちゅうしょう ちゅうしょう こうこうしょう こうこうしょう CAL FACTOR: 16.8 PRESSURE: 18 3ST HPD SCATTER PROBE SIZE FPOSTPOINT -15.4 5.645 549.9 ALT (KM) 1EMP (C) -16.8 745 (H/S) 135.1 MT (M/H3) 3327877.9 6.60E+13 3.89°+11 DISTANCES 200 SIZE FLOW RATES 48 6PM 1.03E+06 124 5.003 2203 \$12E (40) むきのはするですることできならなられる自然のできるもののかっとしてっている ないろう PRESSURES 13 PST 420 1. 6.28 E + 6.99 E + 3.28E-81 19 SCATTER PROBE

384 2	CAL FACTORE	549.B	4LT (KH)		TEMP (C)		FPOSTPOINT	-12.5	TAS (M/S)			NT (N/M3)	3662674.4	TOTALS	1.136+00	122		ING				6 (HB) 6 549.9	ALT (KM)	1. 06 t	TEMP (C)	-16.7	FOOSTPOINT	-15.2		124.5		NT (N/N3)	5 4 5 5 5 5 6 4 6	TOTALS	1.96.1
BY AFGL ECOND AVERAG E/4043-44)	DISTANCE: 200 FT	PROBE	8.97E+33 7.53E+81		•					: -		•	<b>.</b>	•	5.22E-12	110	BY AFGL	FCOND AVEPAG	2/H**3-H4)		MCE 8 CTU P 1	PRECIP PROBE	1.245+15					: :	<i>:</i> .		•	•	•	:	8.16E-81
1 12 5 1 69 CNUMBE	DISTA	\$12E	11	3	1241	1835	2132	6242	2077	1320	4617	3914	4211	4 26			V TEST	1 5	11251UB (NUMRE		1000	SIZE (MJ)	70#	3	1261	1536	21.12	242	2726	1320	3617	3 3 5	1124		
FIGHT E79-64-0N 24-13-00 SPRAY TEST BY AFGL EVERALL SFARTY 22-125-189-14-4-44) PARTICLE SIZE DISTRIBUTIONS INUMBER/40-3-44)	HZO FLJW RATES GPM	160 kd	1.275+88	4.372+67	2.50E+07	1.38C+0/	3.726+66	1.525+06	1,396465	6. S1E+05	2.F4E+05	1.58E+05	1.035+05	5.36E+E+	1.175+60	117	1FFT3 ICING SPRAY TEST BY AFGL	F. IGHT E79-04 ON 24 JAN 73	INTERNAL STATE STRUGE STZE DETRIBUTIONS (NUMBER/N++3-M4) TYPES RAIN	2 C T T T T T T T T T T T T T T T T T T	420 FLUM KAIRS &8 674	0,000 0,003	1.236+69	7.97E+07	2.236+6.7	1.206.07	3-435+05	1.71E+65	1.385+06	0.00mm	2.155+65	2,265+65	2.226+65		1-125+50
AFFT INTER SIZE D	FL)# R	S.12E (40)	M M	6.2	*	727	221	191		221	241	264	30	-			1667	NO 10-	INTER STZE D	3	1014 1014	\$12E	23	5	9 6	201	221	191	191	201	747	264	202	:	
<b>1</b>		SCATTER PROBE	7.96E+08	1.436+10	1.77E+13	1.015+10	9.41E+09	3,53E+09	3. 10F + 15	1.835+09	1.17E+09	1.35E+09	6.536+08	1.35E+09	2.42E-01	20			PARTICLE			SCATTER PROBE	5.246+48	2.74E+09	1.536+14	1.796+10	1.585+10	7-16E+09	5.946+03	2.73E+09	1.746+69	2.28E+09	1. 46E+69		3.775-51
SAMPLE: 24	PRESSURE: 13 PSE	SIZE	<b>6</b> 1.3	•	<b>~</b> ;	3 .	14	91	2 2	22	2	26	53	36	-	MFO D	SAMPLE 24				DESSORET TO PSE	S12E (MU)	٧		p <b>«</b> d	3	2 5	2	<b>9</b>	200	2	92	8 K	}	LEG D
	16.0																			•	16.0														
9	CAL FACTORE 16.0	P (44)	ALT (KH)	•	TEMP: (C)	-16.6	FPOSTPOINT	-15.3	100 77	138.0		NT (N/H?)	2046351.8		0.325.01	128		ING			CAL FACTOPT 16.0	P (MB) 549,7	AIT (KM)	4.867	TEME (C)	-15.6	Fonetontal	-15.2		TAS (M/S)		NT CN/H3)	3072510.7	TOTALS	1.185.00
TIME SPANT TEST BY AFGL.  JAN 73	DISTANCES 208 FY	PRECTO	3.466+13			<b>.</b>	: .	•		•	: =		•		6.4954.3	50+	BY AFGL	SONO AVERAS	STANTAGOS (2000)** ALRUNOS (2000)** ALRUNOS (2000)**		DISTANCE COU FT	PRECIP	46.4.46		• •	::	•	: :	÷	<b>.</b>	: =	:		;	2.725-31
1 3: 1 3: 1:25:05: (NUMBE:	<b>91ST4</b>	SIZE	77	3	1241	1534	2132	5429	2776	200	3617	3914	4211	4578			TEST	-	1125137 (NUMBE		01514	S12E	101	5.7		1538	1835	2429	2726	3023	3617	161	4211		
	TE1 48 6P4	5.043 P.108E	F 0 4 11 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3.556+87	1.96E+1.7	1.012+07	3.345.6	1.665.00	9.36E+(2	204574	1.365013	1.306+65	1.252+05	4,275+64	6.587af	122	_			,	he9 P4 # 211	5_043 PR13E	A POPPE	7.315+67	/ 1 1 5 0 L 7	1.21E+ [7	5.39=+65 7.10F+65	1.215+65	8.445.05	4-186-65	1. 36E+£5	1.056+05	8.28E+84 7.51F+E4		9,86E-61 116
LEG ON 24 INTERVAL SIZE DIST	HZO FLJW RAT	STZE (W)	61 d	3	21	201	241	191	<b>1</b>		1	263	583	200			1FF1.	NO 10-	I AT EK		420 FL)# R1	\$12E (10)		3		132	122	191	181	2	7	261	6 6	}	
PLIGNT E74		SCATTER 3400E	1.495+69	1.52E+10	1. 53E+18	1.63E+18	5.135+09	2.18E+09	1.925.9	1.215469	7.65F+BB	6. 03E+08	4.25E+08	5.49F+C8	1.4.16-04	18	_	ď,	I ATERAA Pariole site dist Ty			SCATTER PROBE	E-186+6	68+382*5	1-405-14	1.396+18	8.52E+83	3, 22£+89	2.836+69	1.565+89	9.84E+88	1.046.09	4.75E+68 9.83E+68		2. 00E-01 18
SMPLE: 24	PRESSURE: 18 PST	S12E (MB)	A1 4	r un	•	3:	12	57	3;	5 2	: <b>*</b>	\$2	52	<b>8</b> 7	4		SAMPLES 24				PRESSUPER 15 PST	SIZE	^	•	•	· 3	21	9	2	2 2	: 2	92	2 2	3	

16.0

APT2 ICING SPRAY TEST BY APPL FLIGHT ET9-04 ON 24 JAM 79 1 SECOND. APERAENE INVENTAL STATIS-21425112\* PARTICLE SIZE DISTRIBUTIONS (NUMER/H\*\*3-HH) TYPES RAIN SAMPLE APPT: ICING SPRAY TEST BY AFGL PLEGAT EPG-B4 DA 73 1 SECOND AVERAGING INTERNAL STRETT-221:29518\* PARTICLE SITE DISTRIBUTIONS (NUMBER/N\*\*3-NY) TYPES RAIN

FROSTPOTAT 1EMP (C) 745 (M/S) 136.6 NT (N/H3) 7294969.3 ALT (1000 4:064 AFFT ICIME SPRAY FEST BY AFGL
FIGHT F79-04. DN 24 JAN 79 1. SECOND AVERWING
I VERAFL STRATEGES139
PARTICLE SITE (TYPES RAIN 5.28E+93 1.58E+91 BENEFACE OF THE CONTROL OF THE CONTR CAL FACTOR: 16.8 PRESSURE: 18 MSI MZO FLOW RATE: 48 6PM STZE SAMPLE 101ALS 1.12E+90 175 FROSTBOINT -15.1 TEMP (C) TAS (M/S) 134.3 NT (N/H3) 1152931.7 4LT (KH) NFTT ICING SPRAY TEST BY AFGL
FLIGHT E79-04-0N 24-JAN 79 1 52.0M0 AVERALING
I MISRAL STATIS-21125111\*
PARTICLE STZE DISFLADITONS (NUMBER/MS-44)
TYPE: RAIN DISTANCES 200 FT 1.39E+04 5.03E+01 PROBE FLOW RATES 48 SPH 90.12667 7.0012667 1.00676067 1.00676067 1.00676067 1.00676067 1.00676067 1.00676067 1.00676067 1.0067677 1.006767 1.006767 1.006767 1.006767 1.006767 1.006767 2 PESSUR!

DISTANCE: 288 FLOW RATER 48 SPM 16.0 PRESSURER 10 PST M20 CAL FACTORS DISTANCES 200 FT FLOW RATES 48 GPM

F 405TP0INT -15.8 TAS (M/S) 134.6 HT (N/HB) 3227372.6 ALT (KM) TEMP (C) -16.8 5.588+94 1111 111 1 9.766-81 38.2 STZE ( 10) 6.000 1.0000 1.0 4.78E-01 SCATTER PROBE **まないないないないないない** F00STP0INT -15.1 TEMP (C) -16.8 TAS (M/S) 134.4 NT (N/H3) 2522564.6 ALT (KH) 7.49F.94 2. 0. PRECIP PROSE 512E 5,043 P203E 10t) 321S PRESSURES 18 PSI H20 SCAFTER PRJBE 249933333388

u.	CAL FACTORE !	5.015 540.5	ALT (1004)			TENP (C)	-16.6	VAT C.	0.454		TAS (M/S)	136.9		NI (M/M3)	7 - 764 - 100	TOTALS	1.295.18	133	2	2		CAL FACTOR	•	P (46) 549.7	ALT (KM)	4.867		5.91-		FROSTPOINT		TAS (M/S)			M7 (M/H3)	300000000	TOTALS	1.246+10
WFT: ICING SPRRY PEST BY APER04 ON 26 16479 INFERVAL SERTFESESSSS. SIZE DISTREBUTIONS (NUMBER/MOSS-MY)	DISTUNCE: 280 FT	PRECIP	1.436+94	6. BZE+01	<b>:</b>	:	÷	•				:	•			:	9.046-12	.61	EST BY AFGL	TOWALLAND ONO	(hh-keeh/	ATSTANTEL 288 FT		PRECIP	1.232+34	6.016+71	5.	• 4			<b>.</b>	: :			<b>.</b>	, p	•	0,35E-02 107
7687 87 2 3 50 29 115 °	DISTAN	3118 3118	101	25	316	12+1	1518	1639	2136	1 2 5	4423	1 32 0	2758	716	1724				TEST B	1261175	CHUMPER	A 17 2 70		SIZE	101	49	446	1641	1935	2132	47.9	3023	1320	191	3914	1124	•	
### 10146 SPRAY 7687 BY APELOND A ON 24 JAN 79 1 SECOND A WERNAL SPAYTFEL 259115* TE OTSTERULIONS INUMERATIONS	FLOW RATES 48 GPM	0.003 9268E	1.+35+08	6.435467	*.716+67	2.568+07	1.3 30-17	0045879	301 25460	1.3866.5	6.165+15	6.462+05	2.7 LE + 65	2.525465	2.512.483 1.1854.5		1.196.00	521	AFFILL TOTAG SPRAG TEST BY AFGL.	T OF C4 JAN (3 1 C1 2 C	SIZE DISTAIRCITIONS (AUTRICALAGE)	MOD BY BATES AN IS COM	,	3.000 P203E	1.2 4E+G8	4.75E+67	4.53E+67	1.275.07	1.105+26	3.378.06	1,375,05	7.546.5	5.226+15	1.716.65	1.785+05	1.156+05	C 0 - 20 2 + 7	1.16E+0. 125
04 04 1 4 ERV 51 2 E	FLOW AN	S17E (40)	2.5	7	29	4	102	122	7 :	61	17.	12.	241	5	5 ¢	•			Tee!	7010	ST ?	70 70 13		(M) 7215	23	£ 3	2	? .	12.2	1.6.7	191	707	127	76.1	Ç 9.	285	-	
FLIGHT E79 PARTICLE	420	SCATTER PROBE	1.236+69	6.33E+09	1.435+18	1.426418	1.14E+18	6.65E+G9	0.316409	2.125459	1.206+09	1.12E+09	7.76E+88	7.895+46	3,355,456		1.58E-01	1.9	EAS ONLY TELEST	1457	PARTICLE			SOATTEP PROBE	1.07 E .09	5.12E+09	1.275413	1.485 410	9.875+63	6. 37E +09	4.035+09	3. USE 169	1.245+09	1.0+E+09	1.07 - 409	4.015+08		2.87E-01 18
SAMPLE 1 24	PRESSURE: 18 PST	STZE	•	•	•	•	3	21	:	<u>.</u>	2 2	25	*	92	5 5	?	CHO	O O.M	SAMPLE! 24			\$00 00 1 0 3C	T T T T T T T T T T T T T T T T T T T	SIZE	61	•	φ.	n :	2	: =	<b>:</b>	57	67	*2	92	52	8	LNC MEJ 0
	16.4																						•															
9	CAL FACTOR: 16.8	6.948 549.8	At 7 (200)	4.866		TEMP (C)	-16.8	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PECSIPOINT	F . C T.	TAS (M/S)			N1 (N/M3)	3594508.*	TOTALS	1.345+80	146	,	S.E.		9. 4007763 147	20.04	649) d	ALT (KH)	4.866		15.NF (C)		FROSTPOINT	-14.9	116 (4/6)	2		NT (N/H3)	3448959.1	707415	1.636+00
1 SECONO AVERAGING 11 SECONO AVERAGING 11 14 *	DISTANCE: 206 FT	PRECIP	h. 276+ff			<b>.</b>	<b>.</b>	6	ď.	,				<b>.</b>		•	2.81E-31	101	CING SPRATEST BY AFGL	COMO AVERAGE	(nb-1+44)	19 000 00000000000000000000000000000000	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PROSE	8.87E+33	3.01E+01	<b>.</b>	•	: :		:		: :	-		<b>.</b>	•	5,96E-82 487
1831 1 3 125114 0864 85	015741	SI7F (MU)	101	3	3	1741	1576	1935	2134	222	M C C	3356	3617	1916	1511	0 200			7657 E	1 5	(4UM BE 4	21010	1016	SIZE (HJ)	107	647	į	14.71	1635	2132	545	4677	3320	3617	3914	4211		
4FFT ICIMS SPRAY TEST BY AFGL 14TEMB 21ATT-21125114° SIZE DISTRIBUTIONS (MUMBER/A++3-A+)	RATE: 48 GPM	C. 043		9.316+07	4.78E+67	2.35E+C7	1.256+87	7-176+86	3.715+85	1.31E+00	4.78F.C5	4.375.655	2.156+63	1.325+05	4 12 4 12 4 12 A		1.152+68	118	C ICING SPRAY TEST BY AFGL	24 JAN 73	- 0	MCG 64 9718		5, 043 P209E	1.155+89	8.45E+67	4.275+67	1 1 1 5 5 6 7	6.835+16	3.4.76+86	1.262+86	10.181.460 6.181.460	2.772+25	6.842+84	1.) 4E+85	1.396+85	704 754 0 2	9.71E-81 115
14 FFT	for R	3175		7	9	8	102	122	3	<b>?</b> :	7	221	142	260		;			166		S12E 01S	140 40 13 000	£ .	517E	23	5	25	2 6	122	1.2	161		12.	242	260	D 6	2	
F.IGHT ETS-	18 BSI H20	SCATTER PROBE	4.186488	3.7.6+19	9.625+89	1. 366+18	1.67E+10	1.456+18	1.55€+16	8.C7E+19	2. 68F+BB	2.996+89	1, 586+89	2.24E+89	9.73E+68	68.346.5	3.96 E-01	:		THE PAIN 32 - NO SOUDDING LEGISLA	PARTICLE	796 61		SCATTER PROBE	1.635.00	5.77£+89	1. 36E+18	1, 60 5 1 5	1.105-10	1.03E+10	4.546+69	0 4 4 E 4 E 4	1.586+89	6.57E+88	1.89E+89	5.31E+08	******	2.34£-01 18
	PRESSURE: 1	3718 3718	•		•	•	3	21	<b>:</b>	9 7		22	*	<b>5</b> 9	9 6	•	T AC	HED D	SAMPLET 24			796 64 1287179300	THE SECRET	\$17E (MU)	~	•	•	•	15	#	<b>9</b>	2 %	22	7,2	92	25	•	0 9 1 1 1 1

	CAL FACTOR: 16.8	24	=	2			•		181	•		2	·		2			
<b>¥</b>	CAL FAL	( E 6 4 6 4 6 4 6 4 6 4 6 4 6 4 6 4 6 4 6	ALT CKM	¥.4		TEMP (C	-16.		FROSTPOIN	-14.6		TAS (M/	134.5		NT (N/H3)	7582137.7		40444
EST BY AFGL 1 SECOND AVERAGING 5124. Under/4**5-N4)	DISTANCE: 200 FT	PRECTP PROSE	6.98E+33	1.536+91	•	ė			•	•	•		÷				•	
1631 8 1 35 825 24 (404 864	DISTAN	\$17E	3	647	i	1541	1536	1935	2132	5429	3212	3023	3721	3617	3914	4211	4536	
AFFT) TOING SPARY TEST BY AFGL LINEWALL STATE 21.25 28.9 PARTICLE SIZE DISTABLISHES (NUMBER/400.3-MW)	HZO FLOW KATER +8 6PM	00 00 00 00 00 00 00 00 00 00 00 00 00	1.27E+t8	9.135+47	4.498+17	2.236+47	1.2 65 07	7.135+66	3.562+1.5	1.566+0	1.166+66	4.205+45	5.346+05	4.1 DE+0 E	3.068+05	2.285+15	1.35€ 0.5	
STERN	FLOW K	3718	23	Ş	62	63	133	122	7*1	151	191	, t	22.1	241	160	233	300	
4		SCATTER PROBE	5.78E+38	2,035+03	5.78€+89	8.84E4E9	1.28E+14	1.31 E+10	1.60 €+13	9.546+03	9.19E+09	3.96E+89	3.75E+#3	2.05E+09	3.00E+09	1.19E+69	3.00E+09	
SAMPLE 1 24	PRESSURE:	S 172 (MU)	~	•	•	•	97	15	*	91	=	20	24	96	92	\$2	2	
9	CAL FACTOR: 16.8 PRESSURE: 10 PSI	P (MP) 549.7	At 7 (KM)			TEMP (C)	-15.7		FROSTPOTAT	-16.7		TAS (H/S)	2.4E.		NT CN/M31	2664930.1	•	
SPEAY FEST BY AFEL 79 1 SECOND AVERAGING 79 2315522 110MS (MUMRER/4013-MM)	DISTANCE: 200 FT	PRECIO	5.276.43	1.515+11	1.585+11		: 4			: -							: -	
SPEAY 7EST BY AFEA 79 1 3ECONO 1 110°21.0296.22° 12043 (MUMBER/H**3- 17 <i>N</i>	DISTAN	SIZE (MU)	4	4	3	1261	24.5	1845	21.32	2429	2726	3023	3326	3617	3314	6211	200	
	TE1 48 6PM	C.00.5	A. 9.3F + G.7	6.245467	3.592+07	1.717007	4 4 4 4	4 1 1 1 1	2.515+65	1.425.66	7.185+65	3.865+4.5	1.855+65	3.02646	5.317.45.6	1.07505	6-16-6	
APPT: TCEME 04 ON 24 JAM INTERVAL STA SITE DISTUBLE 77PE: 20	HZO FLOM RATE: 48	\$12E (40)	2.1		62	2	787	12.3	142	161	191	101	221	24.5	96	9.0	13.8	
FLIGHT ETS-		STATTER PROBE	A. 4.7E+88	1. A1E+89	5. 87E+89	A. 39F+89	1.26.64.0	1.776+18	1.547+18	9.555+09	8. 78E+69	h. 32E+63	3.665+04	2,2354.4	2.16.6+03	1.236+09	2. 82F+09	
STANKE S	ISe OF IBNOSSBU	S12E (190)	~			•	. 4	7	: :	9	<b>:</b> =	7	22	. 2	<b>5</b> 2	28		:

SWI	CAL FACTOR: 15.0	5 (44)	ALT (KH)	£.876		TEMP (C)	-16.8		FeoSTPOINT	-14.6		TAS (M/S)	140.6		rt (1743)	3601336.6		TOTALS	16.9
EST BY AFGL 1 3ECOND AVERSING 58258 HUMBER/MRRT+449	DISTACES 200 FT	PROSE PROSE	5.776+14		:	:	:			÷			•			•	-	3.80E-11	4.4
1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	01514	\$12F	101	54.7	716	1241	1530	1835	2112	5459	2776	3623	3326	3517	4 16.	4211	4588		
NETT INN SPAN TEST BY AFGL F.IGHT E79-64 ON Ze JAN 79 1 SEDOND AVEN PARTICLE SIZE OSSFRANDING (NUMBER/WHO) TYPE: ANIN	HEO FLIN RATER 48 GOM	3,003 3203E	1.1 66+[ 8	3.972+67	4.362467	2.585+67	1.262+87	0.31EPC3	3.30E+86	445456	1.785+05	1,545+05	4.31E+85	1.71E+C5	1.415475	1.155.05	1.135+05	07439[*1	11.9
147 EP 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FL 34 R	\$17E (40)	23	£ \$	29	82	17.3	122	741	151	191	102	121	7+2	26.3	290	13.9		
u.'		SCATTER 02395	6, 37E+18	3.39£+09	8.42E+09	1.24E+10	1.436+10	1.416+13	1.46E+1J	6.13€+49	6.87 €+69	2.95€+89	2.598+69	1.425+09	1.96 €+09	9.67E+88	2. U4E+09	3.665-01	19
SAMPLE: 24	PRESSUPER	51.25 (H.))	~	3	un	•	3	21	7.1	91	19	20	25	*2	25	82	30	987	MED D
ING	CAL FACTOR: 16.0 PRESSURE: 10 PSI	6 (H4) 549.6	ALT (KM)	4.858		1EMP (C)	-16.8		FPOSTPOINT	-14.7	:	TAS (M/S)	176.5		MT (M/ME)	2422916.5		TOTALS	126
PPAV 1637 BV AFSL 3 1 SECHNO AVERAGING 1	DISTANCES 208 FT	PRECIP PRO9E	1.536+14					•										1.046.11	104
SP2AV TEST BV AFSL 73 1 SECOND 1 78-210258239 10NS (MUMBER/MOWS-	OTSTA	SIZE	4 64	24.7	446	1241	1538	1815	2132	2429	2726	1823	3326	3617	3914	4211	1500		
~~555	H20 FLOW RSTER 4J GPM	3,000 3,08E	9,196+67	5.52E+07	3.362+07	1.552+67	1,342,467	4.505+85	2.16E+C6	1.202+06	7.645053	3.348+85	3.596+15	6.845484	4.666+04	3.182+64	2.946+64	7.066.1	116
1FFT -P& ON IVTER SIZE D	FL34 R	\$12E (40)	F	£ 3	9	8	132	12.2	142	161	181	17.	221	2.1	8	961	33.8		
id.		SCATTER PROSE	7.33E+08	1.486+09	4.50E+09	7.57 €+63	1.136.13	1.29E+18	1.55E+18	1.036+10	9. 92E+33	4.71E+89	4.046+09	2. 30E+09	3, 396+89	1.296+89	3.17.6+89	1.86-41	12
SAMPLE 1 24	PPESSUPE: 19 251	SIZE	~	•	~	•	97	21	=	97	81	2	22	*2	92	82	<b>R</b>	997	NEO O

5,965-12 1,22E+00 406 131

1.162+[3

LWC 4.65E-01

3,74E-12 7,01E-01 412 119

> 7.43E-61 115

LWC 4.63E-01 MED D 21

SAMPLE: 24 AFFT; ICING SPRAY TEST BY AFGL. ISTERALS STAFF: 212828° PARTICLE SIZE DISTRIBUTIONS (NUMBER/Newsy-NW)	
24 AFEL ET9-84 ON 24 JAN 79 I SECOM AVERAGING I VECOM A 24 JAN 79 I SECOM AVERAGING I VERAL STATIO 21 175119 PARTICLE STYC OLSTRAINIONS (MYNER-AVOV) HA)	7-40 0>-

37448

CAL FACTOR: 16.8	(91)		ALT (RM)	<b>7.168</b>		TEMP (C)	76.6		FROSTPOINT	-14.1		TAS (M/S)	134.7		MT CM/NES	3 - 1 3 3 3 9 . 7		TOTALS	1. 195-10	128
DISTANCEL 200 FT	PRECIP	3607	7.52E+33	1.586+01	÷	•	÷		•	÷	÷		•	÷	<b>-</b>	<u>.</u>			5.816-12	•
01570	SIZE	Ē	į	į	116	1421	1536	1835	21.32	6244	2726	1023	3320	3617	3914	4213	4538			
MZO FLOW RATE! .8 GP4	0000	16024	3.36E+67	8. 715+07	3.515+67	2.128+67	1.825+67	6.516+06	4.30E+C6	1.496.6	1.158+66	3.636+05	*32.65	2.456+05	1.196+65	1.7 46+65	1.366.05		1.348+0.	727
FLOW RA	5126	į	23	*	<b>6</b> 12	8.2	787	721	~*1	161	191	231	72.7	141	897	283	19.3			
	SCATTER	300	8.632.68	3.51E+09	9.586+69	1.336+10	1.566+18	1.28E+18	1.276+18	6.276+49	5.476+89	2.63£+09	2.46E+03	1.326+69	1.726+09	8.70€+08	1.76€+09		3.24E-01	20
PRESSUREI 18 251	STZE	Ê	^1	•	•	•	3	12	<b>:</b>	91	91	20	22	2.0	<b>9</b> 2	92	2		)#J	O
CAL FACTOR: 16.8	(Br.) d	944.6	ALT (KH)	4.658		TEMP (C)	-16.5		F 20STPOINT	-14.9		TAS (4/5)	134.7		z	1873571.8		TOTALS	1.305+80	127
RETAUSES 28" FT	41039d	40 HE	1.426.14	3.01E+11	•		;						;		•	3.	÷		6.936-12	+35
31574	3715	Ŝ	404	5.7	ż	1241	1518	1.935	2132	24.29	3226	3023	3320	1517	3914	4211	450 e			
17C1 +0 634	3, 500	: <b>9</b> 0 %	1.265+09	9.835.67	5.3 2ë • C 7	2.57E+17	1.435447	1.)85.05	3.345.0	1.705+10	9.395+65	7.525+52	4.602.05	32:.	2.338.05	1.375445	1.232+22		1.236.463	123
MZO FL3W RATER +0	5175	ĝ	23	ŗ	29	6'	102	122	14.7	161	191	101	121	7.1	159	385	133			
	SCATTER	380%	1.245.89	5.77E+89	1.385+18	1.666+10	1.496+13	3.34E+69	9.23E+89	3.4354.9	3.165+43	1.412.09	1.545+03	9.2.6.08	1.196+19	*. 70E+68	1.216+33		2.21E-01	13
PRESSURE 18 25	3175	2	~	•	٠	•	10	12	4	91	18	2.	22	42	97	53	92		3	0 C3k

AFFL ISING SPRAY TEST BY AFGL 1 SECOND AVERAINS INTEFAL STATE-21129521 PARTICLE STY DISTABULING SAUMESAMMON TYPES RAIN AFFI INTEGERAL SPRAY TEST BY AFFIL BLIGHT F79-04-04 24-184 79 1 5ECOMO AVERACINS TATERAL STREETH PRINCES AND TRANSPART OF STREETH PARTICLE STREETH STR

SAMPLES

CAL FACTOR: 16.8 10 TAL S 9.97E-01 129 FROSTPOINT -14.7 ALT (KM) TAS (M/S) 234.5 #T (16/43) 2784638.1 7.050 2.050 TEMP (C) DISTANCES 260 FT 8.09E+13 PECTP 3215 CAL FACTOR 16.8 PRESSURE: 18 351 M20 FLOM RITE: 48 634 1.375-01 5,043 9409E \$12E (\*\*) 4.38E-01 21 SCATTER PROSE TOTALS 1.16E+88 125 FROSTPOSHT -14.8 ALT (KM) TAS (M/S) 134.8 MT (M/H3) 3686648.9 P (48) 549.5 TEMP (C) -15.5 DISTANCES 200 FF 3.086+31 SIZE PRESSURES 18 35T H20 FLOW PATER 44 God 7,043 2.476-41 SCAFTER PROBE 4654565555566642

SAMPLES

;																		
CAL FACTORY 6	• (m) 956.4	ALT (PR)	£ 057				FROSTPOTET	-15.6		TAS (M/K)	136.2		MT CM/MX	647754.2		TOTALS	1.216-11	184
DISTANCES 300 FT	PRECTS	4		j.	•	: -	-					-	: -		:		•	•
01ST4N	3718	3	4.4	į		1835	2132	242	2726	1023	332	3617	3016	4211	. 50 6			
FLOW RATES 15 GP4	C, 048	2.77E+67	1. ' 55.07	7.766+66	1.245+66	9.) 7E+85	3.7 92 + 85	2.14E+85	1.332+65	2.B.E+F4	3.996+84	3.638+64					1.215-61	11
FLOW R	\$12E (40)	23	7	29	102	12.2	1+2	191	191	23.1	221	241	26.8	290	181			
02H IS4 81	SCATTER PROBE	1.396+09	3. 61E+89	7. 146.09	5.916+69	4.41E+69	3.53E+69	2, 235+09	1.86E+C9	1.31E+89	8.65E+88	5, 43E+68	4.36E+06	2.45€+08	3.555+08		1.676-01	13
PRESSUREI 18 PSI	S I Z E	~	•	•	. 2	24	#	91	61	62	22	2	92	2	2		3.	MEO D
:																		
CAL FACTOR:	F (HB)	ALT (KH)	4. 657	TEMP (C)	-16.8		FROSTPOINT	-15.5		TAS (M/S)	133.5		M (8/3)	133452.1		TOTALS	6.21E-92	9
DISTANCE: 360 FT	PROSE PROSE	:	<b>.</b>	•	:	•	<b>:</b>	÷	÷	÷	•	<b>-</b>	-	•	:		-	-
01574	S12E (HJ)	;	3	1261	1538	1035	2132	5429	2726	3023	3320	3617	3914	4211	150			
MEO FLOW RATE: 15 GPM	7.00 7.00 7.00 7.00	2.196+07	3.39E+86	1.305+66	7.375+05	1.596+85	1-166+85	7.1 86+84	•	÷	•	3.+55+84	÷	•	<b>:</b>		6.216-62	9
7.2	\$12E (4U)	23	7	2 <b>2</b>	102	12 2	142	191	191	201	ន	24.1	260	<b>582</b>	3			
	SCATTER PROBE	6-176-07	3. 22E+00	7.686+69	4. 88E-68	3.29€+68	3.156+68	1.785+88	1.71E+09	9. EE E-17	7.546+87	S. 10E+87	2. 74E+17	1.37E+07	6. 86 6 + 86		8. 87 E-63	=
PAESSURE: 10 PSI	3118 (MB)	~	<b>.</b>	• •	=	21	=	=	3	2	2	2	2	<b>52</b>	8		3	

FFIT IN C PRAY TEST BY AFG. FIGHT E79-04 ON 24 JAN 79 1 SECOND AVERAGING THERWILL STATT-22126339 PARTICLE SILE DESTREMITIONS (NUMBER/HW++3-44)
SAMPLE  25
SAR
P.IGHT ET9-R4 ON E. SPRAV TEST BV AFGL F.IGHT ET9-R4 ON E. SCOND AVERATING TATES ARTICLE STREAM STRATP 21.26.37* PARTICLE SIZE DISTALBUITIONS (WUMBRA/MO+9-44)
AMPLE: 25
SAM

CAL FACTOR	150.4	ALT CKM)	4.857		7ERF (C)	-16.1	1	FPOSTPOTMT	-15.	}	TAS (M/S)	133.0		MT (N/M3)	623886.7		TOTALS	1.196-01	=
NISTANCE 4 398 FT	PRECIP		•	-	•	<b>.</b>	÷		-			-	-	=		: -:		•	-
MISIN	3126	3	\$	ž	1241	1530	1835	2132	2429	2726	1023	3324	3617	3914	6211	151			
FLOW RATER 15 GP4	5.003 P209E	2.965+07	1.516+07	1.3 45.07	3.582+66	1.59€+05	6.625+55	3.67E+65	1.1 36.465	1.556+03			<b>-</b>		-			1.196-61	=
	\$12E (10)	23	•	3	95	192	122	1.5	161	181	202	121	241	692	280	200			
02W ISc 01	SCATTER PROBE	1.65E+69	5. 36E+69	8.92E+09	9. 39E+19	7.798+63	5.57.64.9	4.62E+89	2.90€+63	2. 79E+83	1.65E+89	1.23E+89	7. 31E+00	6.63E+18	2.39E+68	5.19E+48		1.436-01	13
PRESSURER 10 PSI	S12E (MU)	8	•	•	•	2	77	=	91	<b>1</b>	2	22	5,	ž	<b>82</b>	<b>m</b>		2	MED O
6.0																			
CAL FACTOR:	P (#8) 550.4	4LT (KH)	4.057	47.47	יביי (כי)	-101	;	FPOSTPOTAT	-15.6		TAS (H/S)	143.8		MT (N/43)	437259.2		TOTALS	7.972-82	5
DISTANCE! 3CO FT	PRECIP PROBE	•	÷.	•	:	•	:	<b>:</b>	<b>.</b>	÷	=	-	÷	•	<b>:</b>	:	,	:	•
01514	SIZE (MU)	;	3		16.51	1250	1835	2132	542	2726	205	3326	3617	167	1124	123			
ITE: 15 GPH	CL 0U 3	2.205-17	1.256+87	9.00.000	99435692	7.467467	6 - 7 5 - 1 5	2.996+115	4.77E+84	5.156+8+	2.916.04	<b>:</b>	-	<b>.</b>	:	<b>:</b>		7.472-02	6
HZO FLOM RAT	STZE ( +U)	23	<b>.</b>	N	7	707	221	242	161	191	Z	;	7,7	202	2	<b>.</b>			
	SSATTER PROBE	4.51E+88	1.425.09	64431, -2	60.01/0.0	60+269-2	1.925+89	1.785419	1. 23E+89	0 . 64 E++8	5.205+60	4.196.40	2.53€+00	1.575.48	6. 84E+87	1.16E+06		1. 20E-16	•
PICSSUME: 18 251	\$12E (M)	N	• •	•	• :	7	21	=	2	3	≅;	2	€:	<b>R</b> :	2	2	•		

<b>y</b>	CAL FACTOR'S	7.055 758.4	ALT (KH)	4.65	TEMP IL.	6.9		FROSTPOINT	-15.8	19/7/	(C/E) (T)		NT (N/H3)	7 42 448.6		TOTALS	48 TO 16 TO			1NG				CAL FACTOR	(8H) d		ALT (KH)	4.857	TEND (C)	9.6.2		FROSTPOTAT	-15.8	(S/H) SY1	133.5		HT (N/H3)	725082.7	10741	1.266-01	=
WFT2 ICEMS SPRAY TEST BY AFGL -84 NM 24 JAM 79 1 ECCOMO AVERACTME INTERNAL STATTS-23.75642* SIZE DISTRBUITONS (MUMBEZ/H++3-44) IVPE: RAIN	DISTANCE: 380 FT	PROSE	•		•			•	.3.		3.	i				•	;	•	BY AFGL	SECOND AVERAG	• 102	PARTICLE SIZE DISTALBUTIOUS (AUGORAVEGE)		DISTANCE: 360 FT	905C19			•					_	• •	•		:	<b></b> .	:	-	•
1 1684 1 1264 1 1864	0157	S12E (MU)	101	9		1 2 2 1	1935	2112	242	2726	200	3617	365	4211	4508				AY TEST		1112614	5 CAUCK			SIZE		104	3 6		2 2 2	183	213	242	232	132	3617	3914	4211	-		
WFT2 ICING SP4AV TESY BY AFGL NN 24 JAM 79 1 SECOND A VIERNAL STATICE 126 620 ZE DESTRUBLIONS (NUM EZZ/H+++3- IVPE: RAIN	HZO FL34 RATES 15 GPM	CL OUD	1,165.67	2.12E+07	9.215.6	9743774	1.148.00	4.158+65	1.20E+05	7.7 454[+	1.3/2.02	30105404	; ;		•		1.275	<b>9</b>	SEFTS TOTAL COORY TEST BY AFGL	24 JAN 79	VAL STARTIO	TYPES SAIN		FLOW KATER 15 GPM	 	16034	2.192+47	2.175+67	6.4/E.10	3.005.00	9.225+6	3.196+65	1.5 8E+05	1.7%****	•			•	;	1.786-61	86
LEFT. BYTER SIZE D	FL 34 R	\$12E (4U)	23	3	29		125	142	161	191	10.	1 . 4	7	5.0	109				1667	6 3	TAT SR	3218		FL9W A	\$176	2	23	<b>*</b>	2 .	, ,	122	142	191	10.	1 2	7 7	263	280	203		
FLIGHT E79- PARTICLE	10 2 N H20	SCATTER PROBE	2.16E+69	7.536+09	1.195.10	1.265+10	1.03C+10 6.89F+89	6.526+09	3.736+09	3.64E+63	2,395+39	1.935.409	4. 685 +119	4.72E+68	7.475+08		2.02E-u1	£.				PARTICLE		10 PSI 420	SCATTER	*K39E	2.15E+09	6. stE+09	1.12E +10	1.436410	7.35E+09	7.036+69	4.468+69	4.24F+U9	6043647	1.365+09	1.00E+09	5.21E+CB	8.91E+48	2,215.61	19
SAMPLE: 25	PRESSUREI 1	STZE	~	•	•	• •	1 7	: 4	16	2	2	22	3 %	8	in m	!	2	MED D	SC 10 CA	· ·				PRESSURE! 1	SIZE	Ē	2	٠ حد	۰ ۵	•	77	=	51	9 2	200	2 2	<b>5</b> 8	82	2	9	NED 0
	•																							6.0																	
¥	CAL FACTOR!	F (MB)	ALT (KH)	4.857	;	TEMP (C)	-16.2	FROSTPOINT	-15.7		TAS (H/S)	133.0	11 (14/HZ)	A12928.9		TOTALS	1.62E-01	96		INC				CAL FACTOR	(843) d	550.5	4LT (KM)	4.856	40.40		7 0 1	FEOSTPOINT	-15.7		TAS (M/S)	133.5	NT CAPHA	411504.9		TOTALS	166
(CING SPRAY TEST BY AFGL. 5.487 P	DISTANCE: 300 FT	PREC 1P PROBE	•		•								÷ .	• •			•	6	700	1 SECOND AVORAGING		FRIBUTIONS (NUMPER/He+3-M4)		DISTANCE: 300 FT	PRECIO	PR03E	8.615+03	_	<b>.</b>	-			•	•	•			:	å	6.665-03	***
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	01574	\$12E (MI)	9	6.67	ž	1541	1538	2132	2429	2726	1023	3320	100	160	+500				100		1126141	2000		DISTA	SIZE	Ê	101	647	1 1 5	1421	1936	2132	242	2726	3023	3 3 2 0	3014	4211	4 20 4		
1 10146 SP4AY TEST 8: 24 JAM 79 1 56: 12141 BUTTH THE 1: 26:40* 115171 BUTH STATE	NE: 15 GP4	C. 043	3.305+87	2.26E+47	1.015+67	3.925+86	2.35E+06	3.5.3F+P5	1.665.05	5.196+64	1.1 16+12	•	3.405.40.4	: .	• •		1.525-61	<b>\$</b>		C TOLING SPEAK TEST BY AFOLD A SECOND A				ATE: 15 6PM	C 000	±90 <b>₹</b>	3.88E+4.7	2.234.87	1.095.67	1.225+46	1.5 16.00	6.586+0.5	2.39£+05	1.916+65	5.346.46.4	9.30C+04 6.89F+04	40.4964.8	1. P 2E+ 64	1.546+84	1 356-81	115
44 04 147 ER	FLOW RAT	\$12E (40)	6		<b>9</b>	8 2	195	771	161	191	201	221		9 6	90					)	TALEBI	STZE	-	HZO FL JW RAT	3718	3	23	E 4	29	26	707	16.2	161	181	Ē	122	*	288	300		
AFFT3 IC FLIGHT E79-64 ON 24 INTERNAL PARTICLE SIZE DISTR	10 PSI H20	SSATTER PROBE	2,286+89	6.10E+89	1.225+10	1.215+18	9.936+09	6.625e89	4. B3F+99	3. B6E+89	2.37E+89	1.82E+09	1,095+09	7. 40F+10			2.096-61	₩			6 13 1 10 13 1	PAPTICLE STEE DIS			SCATTER	>R08E	2.462+09	7.946+49	1.326+10	1.366+18	1.052+10	7.17E+89	4.22E+09	4. 69 6+89	2,926+19	68+398*2	0. O. F + 0.	6.036.08	8.57 E+48	2 34.6.84	10.307.7
	PRESSURE:	\$126 (MU)	^	•	•	•	<b>3</b> (	¥	. 4	97	20	22	<b>*</b> 2	5.0	2 8		Ę	MED 0		SAMPLE 1 25				PRESSURE: 10 PSI	\$175	Ę	N	•	•	•	= =	: 3	51	2	<b>7</b>	72	*	28	**	5	466

	;																					;														
*	CAL FACTOR		ALT (KM)	£.81	1000	-16.2		FROSTPOTAT		14S (M/S)	175.4		4.744.		TOTALS	11-121-11	:		2			CAL FACTORE	£	ALT (KN)		1510	-16.1	FROSTOPOTET	76.0	144 /4/61			******	- 1	1.86-01	;
1 51 00 4 601 1 51 000 6 6 6 6 12 6 6 6 1 6 6 6 6 6 6 6 6 6 6	DISTANCES 300 FT	SIZE PRECIP	:			1571 6.	1115 1.	2132 0.	2776 1.		_		0 1267			;	•	TEST AV AFCL	1 SECOND AVERAGE	INTERNAL STANTO-CHAPPEN STANTO-CHAPPEN SALES OF STANTO-CHAPPEN OF STANTO-CHAPPEN SALES STANTO-CHAPPEN SALES		DISTANCE: 360 FT	\$12E PROPE		2.3		1930 0.	1635 0.	•	2726 1.	•	•	5714 U. 4211 U.	. 115	:	•
### PPT2 IOTHS SPEAY TEST BY ##BL. FILENT ET9-04 ON 24 JAN 79 1 SECOND AND INTERNAL STRATF-ELIZES & PARTICLE SIZE DISTRIBUTIONS (NUMBER/H0-3-HH	HZO FL 34 RATE1 15 GP4	2° 000 P2 006				12 2.26E+16	9.306.65		1.615.65 7.615.66	2.84544	6.26E+0+	•		199 0.		1.525-61	,	SECT. TOTAL COMMY TEXT BY APEL	34 24 38H 79	FERVAL STARTIFEE	IVPES SAIN	420 FLJW RATES 15 GPM	75 C. 040 U) 9309E	23 3.10E+87	•	62 7.375+66	132 1.456+06	22 9.256+85		161 5.19E+C+		. 0		:	1.365-61	;
25 FLIGHT ETG-64 ( INTERPRETECLE SIZE		SCATTER STZE PROBE (4U)	2.285+89	7.436.69	1.100+10	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	6.552.89	5.585+09	2.03E+03	2. 00 E +4.9	1.67E+89	8.57E+08	8.295+08	6.57.6.08		4.7		36		PARTICLE SIY			SCATTER STZE PPOSE (4U)	1.736+09		8.798.49	6.75€+09	4.60E+89	5.426.69	2.26E+49	1,115.09	b. 26E+06	5.23E+48 2.68E+38	3, 65€+08	1.226-01	
12 James	6.8 PRESSURE 18 PSI	SIZE	~	•	•		77	<b>=</b> :		2	22	2	2 5	5 55		3	#E3	. J 1981 S				6.8 PRESSURE! 18 PST	S12E	~			7	21	\$1	2 2	2 22	12	82 82	<b>3</b>	200	•
¥	CAL FACTOR:	9.40 958.6	ALT (KM)	4. 654		COLUMN TO S		FROSTPOTHT	-12.9	1AS (M/S)	132.4		KT (N/H3)	2.06/469	TOTALS	2.096-61	166		S#E			CAL FACTOP:	558.4	41.7 (69)	4.057	76 w0 (P)	-16.2	12704000	6-61-		132-1		41 (M/M3) 931732.7		1.056-01	?
PRAY TEST BY AFGL 9 1.31COND AVERABING 1021126164 1005 (NUMBER/NOS)-MY)	DISTANCE: 300 FT	E PRECIP	4.686+53		_		_	_	_			_				5.716-12	101	200	SPEAN TEST BY AFEL 79 1 SECOND AVERAGING		,	DISTANCER 300 FF	E PRECIP	4			::					_	•	• • • • • • • • • • • • • • • • • • •	•	•
7 4 4 E	RATES 15 GP4 DIS	C_040 S126	1.845487	1.956+87	1.002+07	3943/10	7.36205	3,515+05 2132	2.176.65	1.30C+12 A.3.2E+1.4		3.476+04	2.46E+84			1.525-61	1		ON 24 JAN 79 1 1	PIAL STARTER 21 1261 STREET MITTONS (MUS		RATER 15 GPM DIS	CLOUD SIZE		2.7 02+07	1.175.67	2.36€+86	9.946+85	2.566+85	1.346.15	3.1 75.00	•	6. 5914	:	1.956-01	ţ
PATTICE STATE PARTICLE STATE THE STATE STA	PST H20 FLOW	SCATTER STZE PROBE (4U)	20 206.00	95 ( + 19			7.63E-18 102			9.44E+84 201		_		5.66E+88 259		2.36E-81	20	•	TICHT ET9-6% ON	DADTICLE STATE DISTORAL		PSI HEO FLOW	SCATTER SIZE	•		•					1.25 68+362-2		9.62E+88 268 5.47E+88 288	_	2.005-01	F4
52 - 27-4476	PRESSURE 10	S 3212 (MI)												23 1	•		MED 0		SWALE! 25			PRESSURER 10	S 3218			•		27					26		2	

######################################	NATICAL STREET   ST			TO ICT ME SPEAN	-	TEST SY AFGL	¥	•	SAMPLE: 25	PLICHT F74-AL ON 24 SAN 24	APPTS	APPTO ICCHE SPRAY	1637	BY AFGL SECOND AVERAGE	*
		PARTIC	3218 37	RVAL STARTIONS OTSTATEMENTONS TYPE: RAIN	1126.45 1126.45	R/He=3-44)				PARTICLE	SIZE DI	IL STARTIONS STREBUTEONS PPEI RAIN	2 19 19 19 19 19 19 19 19 19 19 19 19 19	(hb-f-a)/	
		PSI	107		DISTA	NCE1 388 FT			RESSURE: 1(		FL 34 RA	TE: 15 GP4	015741	CE: 301 FT	CAL FACTOR!
		S122 SCATTER (MU) 2406E	3126		STZE (MU)	PROTE	F (MB) 958.4		SIZE (MU)	SCATTER PROBE	\$12E (40)	0.005 92.000	\$12E	PRECTO	980.1
					•	•			•		;	. 526487	1	F. 848497	A1 T 1000
					9	<b>:</b> .	7 467		<b>.</b>	194260 0		0.046484	;		
					3	:			• •				3	: .	
Street   S	Control   Cont				į	:	:		•	7. /45.00	9	0743060		: .	400
Colored   Colo					1241	•	TEMP (C)		-	Z. 23E+88	) •	1.1 % • 60	1 5 2 1	•	15 AM 1
					1538	-	-16.1		2	1.956+08	791	9.197.465	1538	:	7.2
					1835				12	1.46E+C8	122	5.61E+65	1035		
					21.12		FROSTPOTMT		14	1.116+08	14.2	2.36E+65	2132	-	FROSTPOINT
1.00   1.00						: .			4	4.44.40		9.716464	2.0	-	-16.2
	1.00				6 2 6 2	:.	1 .01		1:			2.4.25.48.4	9 8 8		
					92/2	•			2	1.365.00		# 12 E C C C C C C C C C C C C C C C C C C		: .	100,000
1,000					3023	÷	IAS (M/S)		3	2.352+07	102	41430647	7	:.	
1,000	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,				3320		132.4		22	1.398+07	122	3.1.52+64	135	•	****
1.06FE-06   239   0.	1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0				3617				<b>2</b>	4.87£+07	241	•	3617	•	
1.06E-06   199   0.   4501	1.000   1.00				3914	•	NT (N/H3)		92	1.396+07	260	6.56E+13	7 16 6	-	
2.21200	State   1176-11   1-176-11   1-176-11   1-1776-11			•	4211	•	579681.8		£:		163	1.31E+L*	4211	•	32 BONG. 9
TABLE   TABL	The part			•	4588	:			2	6.95E+06	300	1-176-84	.500		
STATE   STAT							TOTALS								TOTALS
FIRST   FIRS	Particle   19   19   19   19   19   19   19   1	7.486		1.175-6.1		,	1.176-01		OM T	4.895-03		7.666-02		4.31E-82	1.216-11
FLIGHT ET9-84 ON 24 JAN 79 1 3 ECOND AVERAGING  INTERAL STATE-21 126 64.9  INTERAL STATE-21 126 64.9  INTERAL STATE-21 126 64.9  INTERAL STATE-21 126 69.9  INTERAL STATE-21 126 64.9  INTERAL STATE-21 126 69.9  INTERAL STATE-31 126 69.9	### PAPET ICTING SPANY TEST BY AFGL  ### PAPET ICTING STATE TO	0		56		:	56 6			<b>80</b>		111		÷	3.7
ES FIGHT ET-1 CING SPAN TEST BY AGG.  FIGHT ET-1 CING SPAN TEST BY AGG.  FIGHT ET-2 CI	## FILENT ETA-BA ON EXALTANT STREAM STATE STA													;	
### PARTICLE SIZE DISTRICT 21 26 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	TATE   PARTICLE SITE   PARTI		NFF.	TO ICING SPRA	r TEST	BY AFGL	•	~		47.14	Tast :	TOTME SPOAN	7657	IV AFGL	JMC.
PARTICLE SITE   TYPET ANIM	PARTICLE STREAM STATE AND STATE STREAM STATE STREAM STATE STREAM STATE STATE STREAM STATE STAT	PLISM' E	NO #1-6/	C DAR CA		STATE ONO.	254			- COLUMN TO A		24 JTM /3			•
SCATTER   STZE   CALUD   STZF   PICHB   STZE   SCATTE   STZE   CAUD   STZE   PICHB   STZE   SCATTE   STZE   CAUD   STZE   STZE   CAUD	SCATTER   STZE	PARTIC	41	DISTRIBUTIONS TYPE: RAIN	12 64 45 (4 UN PE)	2/Hee3-44)				PARTICLE	16 3/18	STRI PUTIONS YPEI RAIN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(140.3-44)	
SCATTER STZE 7.000 9127 PRECT P (MB) STZE SCATTE	SCATTER   STZE   CLUON RATE   15 G34   DISTANCE   100 FT   CAL FACTOD   G40														
SCATTER   STZE   CLOUD   STZE   SCATTER   STZE   CLOUD   STZE   SCATTER   STZE   CLOUD   STZE   SCATTER   STZE   CLOUD   STZE	SCATTER   STE   CLOUD   STE   PECTP   PECTP   PECTP   STE   SCATTEP   STE   SCATTEP   STE   SCATTEP   STE	15.	FL 34	-	DISTA	NCE1 300 FT			RESSURE 1		FLOW RA	TE1 15 GP4	DISTAN	ICE: 388 FT	SAL FACTOR
PROBE	PROBE		312E		\$12F	PRECIP	P (48)		SIZE	SCATTER	3215	OF 0 00	<b>S12</b> E	PRECIP	( MB)
1.00 E 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.06   2.3   9.83   2.4   0.   ALT (KM1)   2   2.02   2.02   2.3   9.06   0.   0.   0.   0.   0.   0.   0.		€		Ş	PROBE	556.2		5	3RJBE	Ş	38C ≥0	Ē	3 to Card	1.165
\$\begin{array}{cccccccccccccccccccccccccccccccccccc	1.00   1.00		**		4 6 4	ė	A1 7 (KM)		•	2.82F +u.B	2.2	9.885+56	1	÷	ALT (KM)
1.19E-99 62 3.50005 944 0. TEMP (C) 6 1.17E-09 62 3.59000 122 1.50000 122 1.2	1.15E-09   62 3.50C-05   944   0.   TEMP (C)   6 1.17E-09   6 2 3.59C-05   944   0.   1.15E-09   6 2 3.59C-05   944   0.   1.15E-09   6 2 3.59C-05   1.25E-09   1.2		. 4		1	: =	4.85			L. 57F + L.A	, pr	7.375+06	1		6.863
1.20   1.20	1.20   1.20				i	: =				1.175+09		4.496+66	i	-	
1.0   1.0	1.00   1.00						TEMB (C)		•	146.09		1.265460	1241		TEMP (C)
7.00E-00 122 0.325095 1035 0. FFOSTPOTNY 15 0.6F6-06 152 17745-05 1035 0. FFOSTPOTNY 15 0.6F6-06 152 122 0.375095 1035 0. FFOSTPOTNY 15 0.6F6-06 151 7.2E6-05 2432 0. FFOSTPOTNY 15 0.6F6-06 151 7.2E6-05 242 0. FFOSTPOTNY 15 0.	1.00   1.00						6 . 410			1.075+09	182	7.575605	151	4	
5.466-06   142 1.550-07 2132   0.   PPOSTPOINT   14 6.676-00   142 1.106-05 2132   0.     3.466-06   161 1.2516-07 2132   0.   PPOSTPOINT   15 6.676-00   141 2.106-05 2132   0.     3.466-06   161 1.2516-07 213   0.   PPOSTPOINT   15 6.676-00   141 2.26-06   2.266-07   2.26	1.00   1.00				1010				: :	7.855+38	200	3.74E+05	1835	: 4	•
3.08E=08	3.08E-06					: .	FDOCTOOTES		::	6. 67 Fed 8		1.1 AFACS	2112		FROSTPOTUT
3.55E+8 501 5.216-6. 2776 0.	3.55E+06				942		2.45.			A. SAFeba	1	7.285+04	242		-16. 3
2.486-06 201 2.946-04 3021 0. TAS (M/S) 20 2.695-00 201 0. 3223 0. TAS (M/S) 2.246-06 201 0. 3223 0. TAS (M/S) 2.246-06 201 0. 3223 0. TAS (M/S) 2.246-06 201 0. 3014 0. TAS (M/S) 2.246-07 244 0. TAS (M/S) 244 0. TAS (	2.286-66   201   2.96-04   3021   0.   175   0.   20   2.656-00   201   0.   3023   0.   174   0.   201   0.   3024   0.   3				277	: =			3 5	3. 685+08	181	5.245+14	2726	-	
1.48E-06 221 0. 3328 0. 132.5 22 1.64E-06 221 3.14E-0, 3320 0. 132.5 2. 1.64E-07 221 3.14E-0, 3320 0. 1.64E-07 260 0. 1.64E-07	1.48E-60   22.1 0.   3320 0.   132.5   2.   1.68E-60   22.1   3.14E-61   3.57   0.   13.54E-62   2.   1.68E-67   3.57   0.				307	: =	TAS (M/S)		2	2.85E+08	281		3423		TAS (M/S)
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$				117		112.4		2	1.645+08	22.1	3.1 4E+f. 4	3320	· _	131.7
6.9E-67 268 8.	6.98E-67 266 6. 394. 0. MT (M/M3) 26 8.34E-67 260 0. 394. 0. MT (M/M3) 2.6 8.34E-67 260 0. 4211 0. 4				3617	: 4			5.	9.736+37	192		191		
1 2.075-07 200 0. 4211 0. 262062.2 20 2.085-07 200 0. 4211 0. 10.44-07 300 0. 4511 0. 10.44-07 300 0. 4511 0. 10.44-07 300 0. 4511 0. 4510 0. 10.44-07 300 0. 4510 0.	1 2.07E-07 200 0. 4211 0. 262062.2 25 2.08E-07 200 0. 4211 0. 1 4.46E-07 700 0. 4511 0. 1 10. 10. 10. 10. 10. 10. 10. 10.			_		: =	MT (M/MS)		*	B. 34E+07	96	4	3914	:	#T (K/H3)
1 4.14.50.007 700 0. 456.0 0. 1014.5 70 6.255.07 333 0. 4578 0. 1.014.5 1.935.02 5.345.02 0. 5.365.02 0.	1 4.14E-07 700 0. 456.0 0. 107ALS 70 6.25E-07 333 0. 4590 0. 1.00E-02 5.56E-02 0. 5.56E-02 0. 1.00E-02 5.56E-02 0. 1.00E-02 1.00 0. 1.00E-02 0. 1.00 0			_	1 5 2 1 1	: :	262862.2		28	2.08E+07	280		4211		279672.9
1.60E-02 5.50E-62 5.56E-02 LMC 1.93E-02 5.34E-02 0.	1.60E-02 5.50E-02 5.50E-02 1.03E-02 5.30E-02 8. 6 1.03 1.03E-02 5.30E-02 8. 6 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03			:	1517	:			2	6.25E+07	300	ë	4598	:	
1.66F-42 5.56F-62 u. 5.56F-62 LMC 1.93E-02 5.34E-02 8.	1.60E-02 5.50E-62 5.55E-92 LMC 1.93E-92 5.35E-02 8.			}		;	TOTALS		!						TOTALS
	O 16 18 NEO 18	4		5.50E-12		:	9.506-12		3	1,936-02		5.346-02		÷	9.31E-12

APPT: ICING SPRAY TEST BY AFG.  F. IGHT ETG-6 OF 25 Jan 79 1 SECOND APERAGING INTERAL STRATI-PITER 33**  PARTICLE SIZE OFSER ARM
26 PLICHT ETS-84 04 ( NICKEL SIZE DIS
5

P (186)   S122 SCATTER   S17E   C_0UJ   S12E   PRECTP     S58.2	PRESSURE: 18 PST		N20 FLOW RATE: 25	ATE: 25 GP4	DISTAR	DISTANCE! 300 FT	CAL FACTORE 10.8	PWESSUREI 10 251	24 ISc 01		MAG FLOW MATER 25 6PM		DISTANCES 300 FT	CAL FACTOR! 18.0
1.00   2.3   3.07   2.0   2.	2118 (385)	SCATTER PROBE	3126	A 045	\$12E	PROBE	P (MB)	(NH)	SCATTER PROBE	3176	2,003 P209E	3118 3218	PRCTP PR096	7 (36) P
7-41289 43 2.36207 647 0. 4.068 6 0.55209 43 4.35207 944 0.55208 62 2.59207 944 0.55208 62 2.59207 944 0.55208 62 2.59207 944 0.55208 62 2.59207 944 0.55208 62 2.59207 944 0.55208 62 2.59207 1541 0.55208 62 2.59207 1541 0.55208 62 2.59207 1541 0.55208 62 2.59207 1541 0.55208 62 2.59207 1541 0.55208 62 2.59208 142 1.5	•	1.666.00		1.675.67	464	1.565+83	11 (60)	•	1.86E+99	61	7.726+67	;	1.716+34	ALT CRIM
1455E48 62 110007 944 8. TEMP (C) 8 1.695418 62 2.59577 1241 8. 1.695418 62 2.59577 1241 8. 1.695418 62 2.59577 1241 8. 1.695418 62 2.59577 1241 8. 1.695418 122 2.55777 1241 8. 1.695418 122 2. 1.695418 122 2.55777 1241 8. 1.695418 122 2.55777 1241			1	2.16667	Ì			•	8.55E+69	**	** 355+07	13		121
1.556.10 82 4.356.06 1241 0. TEMP (C) 8 1.556.10 82 1.372.77 1541 0. 10 1.556.10 82 1.372.77 1541 0. 10 1.556.10 82 1.372.77 1541 0. 10 1.356.10 152 2.5576.66 1338 0. 10 1.356.10 152 2.5576.66 1338 0. 10 1.356.10 152 2.5576.66 1338 0. 10 1.356.10 152 2.5576.66 1338 0. 10 1.356.10 152 2.5576.66 1338 0. 10 1.356.10 152 2.5576.66 1338 0. 10 1.356.10 1542 2.5576.66 1338 0. 10 1.356.10 1542 2.5576.66 1338 0. 10 1.356.10 1542 2.5576.66 1338 0. 10 1.356.10 1542 2.5576.66 1338 0. 10 1.356.10 1542 2.5576.66 1344 0. 10 1.556.10 1542 2.5576.66 1344 0. 10 1.556.10 1542 2.5576.66 1344 0. 10 1.556.10 1542 2.546.10 1542 2.54 1.556.10 1542 2.54 1.556.10 1542 2.54 1.556.10 1542 2.54 1.556.10 1542 2.54 1.556.10 1542 2.54 1.556.10 1542 2.546.10 1542 2.54 1.556.10 1542 2.54 1.556.10 1542 2.54 1.556.10 1542 2.54 1.556.10 1542 2.54 1.556.10 1542 2.54 1.556.10 1542 2.546.10 1542 2.54 1.556.10 1542 2.54 1.556.10 1542 2.54 1.556.10 1542 2.54 1.556.10 1542 2.54 1.556.10 1542 2.54 1.556.10 1542 2.546.10 1542 2.54 1.556.10 1542 2.54 1.556.10 1542 2.54 1.556.10 1542 2.54 1.556.10 1542 2.54 1.556.10 1542 2.54 1.556.10 1542 2.54	•		2	1.4.06.67	į	: 4	1	.0	1.59E+18	29	2.595+7	ż		
1.20   1.20	•	. 666 448		4.488.66	1241		TEMP (C)	•	1.45E+10			1241		TEMP (C)
9.006.09 122 1.550.0 1035 0. FPOSTPOTWT 16 7.115.09 122 2.550.0 2.73 0. FPOSTPOTWT 16 7.115.09 122 2.550.0 2.73 0. FPOSTPOTWT 16 7.115.09 122 2.550.0 2.72 0. FPOSTPOTWT 16 7.115.09 122 2.550.0 2.72 0. FPOSTPOTWT 16 7.115.09 122 2.550.0 2.72 0. FPOSTPOTWT 16 7.115.09 122 2.72 0. FPOSTPOTWT 16 7.115.09 12 7.115.00 12 7	• •	1000	-	2.146+86	A 5.4	. 4	-16.1	97	1.166.18			1538	-	16.1
9.78209 142 6.32205 2132 0. FFOSTPOTNT 14 7.11209 142 1.95cf6 2212 7. FP 5.88209 142 6.32205 2132 7. E. S.	::	9.046489	122		1 8 1 6		}	12	7.316+19			1 63 5	:	
\$\begin{array}{cccccccccccccccccccccccccccccccccccc	::	9.745400	1	A. 22F+B5	21.32		FPOSTPOTMT	=	7.11E+09			21.12	•	FPOSTPOINT
5.1326-09 101 1.542-05 2726 0. TAS (W/S) 2.0226-09 131 5.552-05 3023 0. TAS (W/S) 2.0226-09 201 5.552-05 3023 0. TAS (W/S) 2.0226-09 201 5.552-05 3023 0. TAS (W/S) 2.0226-09 201 5.552-09		h. 215410	•	1.16.15	242		-16.2	2	3.61E+09			5429		-10.2
\$462749 201 1.22649 192 0. TAS (WS) 20 2.62249 201 5.66765 382 0. TAS (WS) 22 2.692249 201 5.26765 392 0. TAS (WS) 22 2.692249 201 0. 3417 0. 3417 0. 3417 0. 3418 0. MT (WWH) 2 2 2.69260 25 3.65713 3914 0. MT (WWH) 2 2 2.69260 25 3.417 0. 3417 0. 3418 0. MT (WWH) 2 2 2.6576249 241 0. 3418 0. MT (WWH) 2 2 2.6576249 241 0. 3418 0. MT (WWH) 2 2 2.6576249 241 0. 3418	:	F. 4 25 A D		26.45	2726			97	3.516+69			272€		
2005000 221 6.16001 1320 0. 174,4 22 2.005000 221 9.245+1 312 0. 1347 0. 1342	: 3	2. 425 + 80	167	1 26 4 5 4	187	à	TAS (M/S)	92	2.625+49			3053		TAS (M/S)
1.02E-69 241 3. 3617 8. NT (W/M3) 26 1.16E-69 241 9. 3517 8. MT (W/M3) 26 1.16E-69 249 46 6. 317E-64 4211 8. 3		2.10540	2	6.155+BE	4320		146.4	22	2.00E+03			1326	•	134.3
1.96209 260 6.56503 3914 0. NT (M/M3) 26 1.12209 755 1.75504 0. M3 1.56209 260 6.56503 3914 0. 9117576 29 6.745040 23 1.45506 421 0. 13 1.57509 380 1.55504 4580 0. 707815 10 5.0500 7.3 7.37506 4580 0. 3.122001 1.35504 4580 0. 707815 1.0 2.19201 4.26601 1.3 1.45501	1	1.826469	7.72	1,	3617			<b>%</b> 2	1.145.09			3517	<u>.</u>	
1.57200 701 1.712014 4211 0. 911757.6 29 6.74200 250 7.422014 4211 0. 17 1.57200 301 1.572014 450 0. 707ALS 10 5.05200 7.1 7.1770. 450 0. 707ALS 1.57200 7.1 7.1770. 450 0. 707ALS 1.57200 7.1 7.1770. 450 0. 707ALS 1.57200 1	. 6	66.740	26.0	A. 365 A. 3	101		WT (M/H1)	26	1.125.09			3914		MT (M/M3)
1.57200 380 1.53500 4588 0. TOTALS 1.0 5.65200 1.3 7.27500 4588 0. TOTALS 1.0 5.65200 1.3 7.27500 4588 0. TOTALS 1.0 5.65200 1.3 7.37500 4588 0. TOTALS 1.0 5.65200 1.3 7.37500 1.3 7.37500 1.3 7.37500 1.3 7.37500 1.3 7.37500 1.3 7.37500 1.3 7.37500 1.3 7.37500 1.3 7.37500 1.3 7.37500 1.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7	:			4 . 7 16 4 6	124		911757.6	29	6.74E+40			4211		1317272.6
1137-11 1.35E-01 5.62E-02 2.51E-01 LMC 2.39E-01 4.26E-03 1.13F-31 0 21 187 466				4 4 4 7 4 4	1 69 1			2	5 . 63E + 0.8			459		
3.12E-01 1.35E-01 5.62E-02 2.51E-01 LMC 2.19E-01 4.20E-01 1.13F-11 0 2.19E-01 1.18T 40E	*	7.27.5.83		10000		•	TOTALS	!				•		TOTALS
0 21 116 404 113 MED D 23 187 404	9	3, 125-81				5.625-32	2.516-01	CMI			4.28E-C1		1.136-11	5.401-11
	MED D	21				704	1.73	) 03W			113		ij	221
	}	•		į			į							
THE PARTY OF THE P			1			;								

CAL FACTOR 18.8 4LT (KH) 4.066 TEMP (C) -16.1 FROSTPOINT 745 (N/S) 134.4 NT (N/KB) 1296497.9 F (#8) APPTC ICING SP9AY TEST 3Y AFGL
N 24 AN 24 AN 79 I SECOND AVERACING
TWERVAL STATIP 21220 34
PARTICLE SIY DISTRIBUTIONS (WINDEX/HP03.44)
TYDER RAIN 2.145+14 36 C a d FLJW RESES 29 GPM 3.26E-01 117 5.0U3 PROBE CAL FACTOR: 10.0 PRESSURE: 13 PSI H20 1.01E-01 FDOSTPOTMT -18.2 TAS (M/S) 134.4 NT (M/H3) 1698618.4 ALT (KH) 7£4P (C) 550.0 AFFI ICIMG SP4 N TEST BY AFFI
F.IGHT E79-84 ON 24 JM 79 1 SCOMD AVERACING
FITCHES INTERNAL STATING 124239
PARTICLE SIZE DISTRIBUITING (NUM BEX.MP\*3-44)
TYPE: RAIM DISTANCES 300 FT 2,12,693 11,517,01 10,00 PRECIP PROSE FLOW RITE: 25 G34 7.59E-01 183 2,000 7,000 1,000 PRESSURER 18 >SI HZD 

	26 AFT2 ICING P.16NT E79-84 OH 24 JAN 14TEARL STA PARTICLE SIZE DESTREAD	E79-04 CLE SI	ATTENDED TO THE PROPERTY OF TH	27272	.pqay Test By Afgl. 9 1 3 5 50 ND A 10 2 1 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	P4AY 7EST BY AFGL 1 SECOND AVERAGING 1 P21120132 ONS (NUMBER/NO-1-11) **	<b>9</b>	SAMPLE 1 26	u.'	4FFT 79-64 ON 14FFR. E SIZE DI	F.IGHT E79-64 ON 24 JAN 79 1 32COND AVE PARTICLE SIZE DISTRIBUTINS (MUNES/N-0-0-04)	7 EST 0 1 SE 1201 360 1000 BER	EST OV AFGL 1 SECONO AVERAGENG 013% UM 052/M**3-MY)	¥
PRESSURE: 18 PSI		HZO FLOW RATER 25	OW RA	TE 8 5 6PH	DISTAN	DISTANSER 300 FT	CAL FACTOR: 18.8	PRESSURET 13 PSI		O FLOW R	HPO FLOW RATER 25 GPM	PISTON	DISTANCE: 380 FT	CAL FACTORS 18.8
3212	SCATTER PROBE	en ~	3225	260 50 CLOUD	\$12E	PRECTP	648	SIZE	SCATTER PROBE	\$126	0,040 P2096	\$12E (M)	PRECIP PRONE	1 (18) P
~	1.57 E+8	_	23	4.266+07	4		ALT (KN)	~	1.535+09	23	1.356+48	4 6 4	6.446.93	ALT (KM)
•	4.225+0			7.502.07	6.1		4.858	•	5. 7.5.409		6.635+17	3	•	4.067
•	1. B2E+B	•	29	1.345.07	116			.0	1.146+10	29	3,336+07	36.	•	
•	8.72E+8			5.46€+06	1241		TEMP (C)	•	1.146+10	4F	1.576+07	1921		TEMP (C)
79	6. B6E+B	•	787	2.926+46	1518		-15.9	2	9.90E+09		7.00E+16	1538	•	-15.9
12	4. 89E+8		122	1.635+36	1635			12	6.136+09		3.5 \$5+66	1635		
1	3.206+88		142	6.168+05	2132		FROSTPOINT	*	6.135+09	142	1.246+66	2132		FROSTPOTNT
91	1.77.	•	191	2,146+05	5459	•	-18,2	91	3.08E+03		5.49E+05	2429		-10.2
79	2.73€+0	•	197	1.906.03	2726	÷		1.6	3.49E+09		6.70€+1.5	2726		
20	1.57E+8		201	5.51E+34	3023		TAS (M/S)	2	1.675+43		1.595+(5	3023		TAS (M/S)
22	9.546+8		122		1320	•	134. 3	22	1. 705+49		1.352+15	3320	•	1.3.8
2	8-19E+0	4	19.		3617	:		*2	1.036+49		3.645.6.	3617		
56	4.696+0		26.		3914		NT (N/H)	92	8.75E+08		2,102+64	* 1£.		NT CM/HS!
58	4.77E+07	~	283		4211		374333,3	82	5.47£+08		1.296+64	4211		2514677.2
36	5. 45E+87		200		4 53 8			30	7.316.08		1.155+6%	4538		
							ToTALC							TOTAL

CAL FACTOPE 18.8 F\*057F01MT P (48) 549.8 ALT (KM) 7EMP (C) -16.8 DISTANCE: 350 FT 1.515+94 PRECIP \$17E CAL FACTOP: 10.0 PRESSURF: 13 PST H20 FLOW KITE: 29 ROM 3.000 2.000 S12E SCATTER TEMF (C) -15.8 648) 549.6 ALT (KM) DISTANCES 300 FT 6.436+13 PRESTP PROSE SIZE (MU) PRESSURE 10 PST M20 FLOW RATE 125 GPM 5.000 P3.03E SCATTER PR78E SIZE (HU)

THE RESERVE AND ASSESSED TO SELECT ASSESSED TO S

1.27E-02

TOTALS 5.85E-81 184

5. + 3E-01 94

1.83£-01 20

LWC MED 3

107ALS 1.96E-01

SAMPLE: 26

AFFT3 ITIMG SPRAY TEST BY AFGL
LIGHT EY9-04-00 ON 24-JAW 79 1 SECOND AVERAZING
LYZKARL STATIF2312281339
PARTICLE SIZE DISTRUBUTIONS (NUMBER/N=3-44)
TYPE! RAIN

AFFTJ FORMG SP4AF FEST BY AFGL
FLISHT E79-P4 ON 24 JAN 79 1 SECONO AVERASING
I AFFAAL STATI-21020135\*
PARTICLE SIZE DISFALDUTIONS (NUMBER/M\*\*3-M4)
TYPE! RAIN

	11.1																	:::																
¥	CAL FACTOR: 18.8	35.5	ALT (109)		164		FROSTPOTAT	-18.1		18/W) ST.	7996	MT (#/M3)	1007177.5		TOTAL S	120	<b>y</b>	-AL FACTOP: 18.8		% (#G)	ALT (KM)	· 2 ·	TEMP (C)	-16.0	THEORY	10015001	:	14S (H/S)	2.2.5	LT CHART	1510463.2		TOTALS	134
AFFT: TCTMG SPRAY TEST BY AFGL. F.LGHT E79-8-00 & LAM 79 1 SECOND AMERAGING INTERNAL STATT-EXICES 39 CANNOTER/H005-44) PARTICLE SIZE DISTRIBUTIONS (MANNER/H005-44) IVE: AXIM	DISTANCE: 300 FT	PROSE	6.23E+33		÷	•	: -	:	:	<b>:</b> .	•		<b>:</b>	<b>:</b>	9.466-19	103	AFFT ITIMG SPAN TEST BY AFGL FLIGHT E79-84 ON 24 JAN 79 TEST BY AFGL LYFRALL STARTING FROM SALMS PARTICLE SITE OFFREDUTIONS (MUSER/HO-3-44)	DISTANCES 300 FT		3608d	1.516.14		•		<b>.</b>	•	: -	÷	<b>.</b>		::	<b>:</b>	*******	484
1631 1631 1631 1631 1631 1631 1631 1631	01814	\$12£ (MU)	33	į	1241	1576	2132	6242	2726	246	3 2 5 6	161	4211	+ 51 6			1 5 1 5 1 5 1 5 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6	V1810		3215	3	3 6	1241	1536	1635	277	2726	3023	3320	191	4211	4568		
AFFT TOTAG SPEAY TEST BY AFEL. TON 26 JAN 79 2 SECOND A VERNEL STATTO-STORES 39 CONTRACTORS TO DISTRIBUTIONS (NUMBER/HOSS- TYPE: AAIN	HEO FLOM RATES 25 GPM	CL 000	3.336+67	1.215.67	6-165+16	2.895.06 2.195.06	7.366+65	2.886.45	1.04.4.5	1000000	91111	3.345+84	7.202.14	* 9 + 32 % * *	2. E.S. e.C.	110	AFFT INING SPAN TEST BY AFEL IGHT EF9-84 ON 24 JAN 79 18 18 20 OND AFER INING 18 28 33 8 PARTICLE SITE OFFICE STATES (NUMBER/NeoS-44)	420 FLOW RSTER 25 GP4		C. 003	6.285.67	4.155+67	4 1 4 1 4 C F	4.546+16	1.72+65	1.115.00 5.245.44.5	1.35€+05	1.386.15	1.246+05	1.8 bt +05	3.8 25.04	2.7 0c+04		107
94 04 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FL3# R	\$125	23	29	35	201	2	191	19	. ;	7 7	568	780	498			AFFT: 1458 1458	FL 084 RS		(10)	23	* *	42	735	122	: <u>-</u>	191	201	221	142	0 00	300		
F.IGNT E79- PARTICLE		SCATTER PROBE	6.59E+08 5.27E+49	1.256+14	1.566+10	1.552+10	1.136.10	5.64E+69	6.17E+09	3.22E+09	1.155+30	2.335.09	1.116.09	2. ú7 E+C 3	1.685-81	212	FLIGHT E79-		į	SCATTER PROSE	1.26£+69	5.916+69	1.64E+10	1.516+19	1.045+10	5.81F+10	5.28E+09	3.17 €+89	2,82E+09	1.78E+09	1.028.09	1.69E+09	7 766-84	21.305.5
SAMPLE: 26	PRESSUREI 10 PSI	S I ZE (MU)	~ *	•	<b>•</b>	= :	: 3	16	5	9 6	3 4	<b>9</b> 7	58	30	34.4	460 0	SAMPLE1 26	PRESSUBEL 10 PST		SIZE (MU)	2			3	12	• •	2	62	25	* 4	28	33	4	0 1 1 1
ž	CAL FACTOR: 18.8	5 (16)	ALT (KH)		TEMP (C)	-16.1	FROSTPOINT	-18.1		1AS (A/S)	1330 €	NT (N/M3)	039878.2		TOTALS	231	941	CAL FACTOR: 10.0		550.0	ALT (KM)	4.863	TEMP (C)	-16.1	111446444	T TO THOU THE		TAS (M/S)	133.1	11 (17)	591183.8		101ALS	16
-eav TEST BV AFGL 1 8.50000 AVERAGING 1-21.20.136- 1413 (Min BEA/He+3-H4)	DISTANCE: 300 FT	PROFE	2.37E+94	ě		å.	: :	:	•	<b>.</b>		: -		-	4.665.44	104	PP. A. TEST BV AFGL 9 1 SECOND AVERAS: -21128137* NM (NU4952/4**3-44)	DISTANCES 300 FT		PRECIP		٠,	•		<b>.</b>		: =		•			÷	•	•
103 103 103 103 103 103 103 103 103 103	DISTA	121S	;;	i	1241	1536	2132	5+29	2726	3923	35.0	3914	4211	4588			1 5 1 5 128137 (NU492	01574		\$12E (40)	1 07	3	124	1538	1835	2772	2726	3023	3320	3617	¥211	+ 50 8		
APPT ICEMS SPRAY TEST BY APPL LIGHT ETG-64 OH STATT STATES SECOND ANEN LWERVAL STATTONS (NUMBEA/HO+3-H4) PARTICLE SIZE OLSTATBUTTONS (NUMBEA/HO+3-H4)	FLOW RATE! 25 GPH	CL 000 P₹ 08 ∰	3.196.07	1.16.007	4.77E+06	1.856+66	6.988465	1.326.05	2.83E+05	5.356.6	1009669	5.7.2E+64	4.195+64	4.29E+0%		124	ICT NG SI 24 JAN 73 AL STARTI STRI 9UTI:	NE1 25 62M		3€03€	2.995+67	1.386+67	3.74646	1.456.06	4.316+05	3.5.4 BE + U.S.	1.0 15 65	8.46E+64	<b>.</b>	<b>.</b>	: •	÷		91
2 3 2 1 S		312E	23	3		281	162	191	191	ī.	7 .	1 92	26.	33			18 10 10 10 10 10 10 10 10 10 10 10 10 10	HZO FLOW RATE! 25		SIZE (40)	23	3	2 6	182	223		181	201	221	142	92	308		
	02H 154 81	SCATTER PROBE	1. 88 6.69	1.346+10	1. 64E+18	1. 60E+10	1.186.18	6.186+89	6.256+69	J. 80E+09	3.34F.48	2.315+99	1,20E+03	2.22E+89	.000	21		18° 91		SCATTER PROSE	1.23E+69	5.925+69	1.585.18	1.536+10	9.825+99	1.40E+18	5. 85E+09	3.38 6.69	J. 12E+89	1.635+69	9.625+08	1.65€+09	7. 70561	21 21
Samer 26	PRESBURE 1	\$ 125	<b>~</b> 4	•	•	3:	¥ <b>:</b>	14	3	2	22	26	<b>S</b> 2	<b>9</b> E	1	100	SAMPLE1 26	PRESSURE: 1		S12E (40)	2	٠ و.	•		25	:	191	82	25	2 1	82	R	9	

SAMPLE 27 F.IGHT E79-84 ON 24 JAN 79 I SECOND AVERAGING INTERAL STATI-211291339 PARTICLE SIZY DISTREAMINE AND REMAINSEAUND SAVEN	
PANY TEST BY AFFT. ICING SPANY TEST BY AFFL F. LGHT ET9-84 ON 24 3AN 79 1 SECOND AVERAGING I (TERVAL STARIOUS, NUMBER/1403 NUM	

CAL FACTOR:		ALT (ECH)	£ 86.7		7EMP (C)	-16.1		FROSTPOINT	-17.6		115 (11/5)	1.6.6		NT (8//H3)	2088421.1		T074LS	7.766-11	94.1
DISTANCE: 300 FT	PREST	3.185.34	-		-			<b>:</b>				<u>-</u>		:				2.195-31	;
21514	\$12E	3	ž	446	1241	1538	1435	2132	6246	2726	1823	1326	3617	3914	<b>*211</b>	458 A			
420 FLOW RATER 35 GP4	3€0% 3€0%	6.336.67	5.152.67	2.428+17	1.735.67	6.232.26	3.74546	1.4.15.+ b	4.39€.65	3.5% + 6.5	2.248+15	1.3 65.05	1.1 380.5	4.385.4	5.362.66	5.59€+34		5-175-01	111
FL3# R	547E (40)	23	7	62	43	112	122	1.2	191	197	231	22.1	241	96.0	193	11.			
	SCATTER PROBE	4.565.08	2. 48E+09	8.36E+89	1.35€ •18	1.73E+10	1.78.13	1.35E+10	6.155+69	5.546+"9	2.59€+89	2.445.43	1. 25£+39	2.395+39	6. 02E+6#	2.17E+69		3.546-01	5.0
PPESSURE: 10 'SI	\$12. (MU)	~	•	ۍ	•	2	71	:	97	9.	92	2	.2.	χ,	92	2		S	MED D
CAL FACTO** 18.8	6 46 45	11, (44)	4.864		TENP (C)	-16.1		F 40STPOINT	-18.1		TAS (N/S)	173.2		NT Ch/H31	1792628.9		TOTALS	1.586-81	¥
DISTANCE! 300 FT	9809°					:	:	:	-	<b>:</b>	:	<b>:</b>			ŋ.				•
DISTAN	317E (MH)	3	6. 7	į	1241	1538	1935	2132	2429	2726	3623	332	3617	3914	1124	653 B			
HZO FLJU RATE1 25 GP4	2005 \$005 \$006	6.586.417	4.3454.7	2.246+87	1.30€+57	4.29€+86	1.515+96	9.586.65	5.145+15	3.535+65	1.1 2015	6.222+84	4.346465		;	3.		3.585-61	*
FL 3W RA	STZE (W)	23	7	6.2	35	102	12.2	142	161	101	202	12:	3.42	260	28.3	338			
	SCATTER PROBE	1.97E.83	8.30E+69	1.596+18	2.555+28	1.29€+18	8.136+99	8.82E+69	6.49E+69	4. #5E+83	2.18E+19	2.036+69	1. 336+69	1.25 6 + 19	6. 39£ +68	1.125+69		2.426-81	12
PRESSURE 10 351	S 17:	~	•	•	•	=	75	=	91	19	2	22	K	92	52	<b>S</b>		2	MED D

CAL FACTOR: 14.8 107ALS 5.62E-01 111 F905TP0147 NT (N/43) 2251923.7 ALT (00) TAS (M/S) 134.2 . (H) 7EMP (C) -16.1 AFFT INTHE SORAY TEST BY AFFL FIELD AFFL AFFT PARTICLE STATE OF TRUBER AND A SELDING AND A SERVING STATE OF TRUBER AND A T DISTANCES TOR FF 2.155.13 S176 420 FL38 R91E1 35 DP4 5.66E-61 139 0,000 98036 2.50 be received at 1.50 b 3.426-81 SCATTER PROBE CAL FACTON 14.1 PRESSURE: 19 3ST からないご 自らなりでい からかこく まんごう こうしょうしょう TDTALS 4.58E-01 133 F20STP01MT -17.6 TENF (C) -15.9 TAS (M/S) 134.4 NT (N/H3) 1374226.4 (MA) a ALT (KM) NFTS ISING SPRAY TEST BY AFGL FIGHT E79-04 ON 24 DAY 79 1 SECOND AVERAINS INTERAL STRAIN-21/29139\* PARTICLE SIZE DISTRIBULIONS (NUMER/NO-5-HY) TYPES RAIN DISTANCE I 369 FT 3.79£+93 1.51E+31 HED FLOW BITES 25 GP4 3.1 become a second and a second a seco 2,003 P203E 7.83669 4.10669 1.996118 1.996118 1.626118 1.1066118 1.1066118 1.1066118 1.1066118 1.10669 1.10669 1.10669 1.10669 1.10669 ISc ff 12anSS3ba 9952555555

SAMPLE: 27

SAMPLE 1 27

	FLIGHT E79-B4 OH 24 JAM 74 INTERVAL START PARTICLE SIZE DISTRIMUTE TYPES ANI	INTER SIZE D	ON 24 JAN 79 VTERNAL STARTS 22 ZE DISTAL STARTS 221 ZF DISTAL STARTS 3 TYPES ANIM	1 3 ECONO 4 1 2 2 1 2 ECONO 4 1 2 2 1 2 2 1 4 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	9 1 3ECONO AVERACING 1*2122914 * 045 (NUMBER/N**3-44) N	<b>1</b>		FLIGHT E79- PARTICLE	INTERV SIZE DI	FLIGHT E79-8, ON 24, JAN 79 1 35:000 AVER 1475-841 543-1-21-29:43* PARTICLE SIZE DISTRIBUTIONS (444)66.4/4** PARTICLE SIZE DISTRIBUTIONS (444)66.4/4**  TYPE: 2414	1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	1 3 2 2 0 40 A VER AGING 91 43 • UN BER/ NP + 3 - 44)	Ä
PRESSUREI 10	D2H 184	1 FL34 8	FLOW RATE: 35 GP4	DISTAN	DISTANCE: 348 FT	CAL FACTOR: 14.8	PRESSUME: 18 PSI		FLJW RA	HZO FLJM RATER 35 GPM	DISTA	DISTANCES 300 FT	CAL FACTORE 14.8
	SCATTEP PROBE	(OH)	25 000 26 08 E	\$12E (MU)	PROTE	4.642 (BH) 4	312E	SCATTER PROBE	(fa.) 3215	7, 943 P3,086	S12E (4U)	PROPE	6 (MB) 4
	A. BAF on A		7.436 64.7	3	2.825494	A1 T (KM)	•	7.056+44	*	4.347.438	3	6.456413	ALT (ES)
	4.515+89	5	6.395+17	3	-	4.871	•	3.485.69	7	5.22£+C7	3	•	
	1.166+18	29	2.815.67	į			æ	1.046+10	9	3,365+27	716	<b>.</b>	
	1.50€+10	25	1.+36+17	1541	•	TEMP (C)	•	1.675+19	8	1.595.67	1541	<b>.</b>	TEMP (C)
	1.636.18	211	5.935+86	1538	<b>.</b>	-16.2	10	1.85[+14	211	7.852.486	1556	٠.	19:7
	11.202.1	142	30,000	1837	: -	CONCIDENT	1 =	1.24644	1 1 1	2.8 17.01.0	2112	•	CONCTONTAC
	07-207-1		01454	1,10	:.	**************************************		K. 2254.3	1	1 1 1 1 1 1 1 1	2120	<b>:</b> -	2 4 7
	4.1864.0	1	234 20 8.1	9222			2 =	h. Infeta		1	2726		
	2.245+69	234	2.246.6	4823		19/4/ 24/41	7	2.158+83	Ę	3.667.015	1473	: .:	114 (11/4)
2	2.285458	2	204141	1 2 2 2				2.845469	2	2.485466	117		
	1.136+39	741	1.135415	1617				1.256 +89	12		3617	: -	
	1.795+63	26	25.00	101	: -	MT (8/MT)	26	1.835+63	, 5	6.4.5.4.	1 101		HT CH/M21
	7.545+£8	24.2	4.1.546.4	1211		2484244	200	6.735+34		1.266.	1211	: :	2531816.0
	1.625+69	2.2	*2+以·C·C	*588			<b>.</b>	1.06€+89	30	1,15€+(4	. 58 6	: ::	
			!			TOTALS							TOTAL
	2.926-81		5.58c-11		1.336-11	7.9.5-81	3	3.035-61		5.195-61		6.20E-32	6.616-81
0	28		199		* 23 *	125	0 034	19		191		į	112
27	S SMICI CIRSE	Stage 300	SEFF TOTME SPRAN	PRAY TEST BY AFSU	V AFSL	,	SAMPLE 1 27		AFFT.	AFFT TO TOTAL SERVICE OF THE SERVICE	v TEST	BY AFGL	1
	11941 50	40 L	(A JER /9	36 1	y I belond avenuality			AVE INST.	147 504	24 JAT 19 A: STAPT 189	4 1 2 0 2 2 1		3117
	PARTICLE	~	I TO DETAIL BUTTON	(40197.2	145 (40H 65 2/H++ 3-H4)			PARTICLE	10 7. 15	IST (1901) SWC	5	(FF-10-65/638 FTF) SECTION 1 150/11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
									-	- Tax			
=	PRESSURER 13 251 420	¥C)2	941E1 35 Som	PISTA	DISTANCES 3"9 FF	CAL FACTOR: 14.8	ISc ET HEARSSEE		FLOW RE	HZD FLOW RRYER 35 GPM	DISTA	DISTANCE 170 FT	CAL FACTOR: 14.9
	SCATTER PP09E	321S	34054 2434E	\$17E	985.719 PR3.95	(38) a	312E	SCATTER 3439E	3215	2,040 22,035	\$17£	PRETIO POTAE	6 (# ) A
	4. 98E+80	7.3	7.835.67	*	3.365+33	41 7 (69)	~	6.145+68	2.3	9,162+67	;	5.165433	11 (60)
	3.3.0	M	6.712+67	3	1.516+31	6.8.7	•	2.75£+59		6.985.47	ì	1.526+31	4.867
	9.27E+69	29	3.166+07	116	•		r.	0.056.09	29	1.296+07	į	:	
	1.386+10	36	1.5 6 6 7	1241		TEMP (C)	•	1.295+13	42	1.46.007	1541	-	TEMP (C)
5	1.74E+18	182	9.436+6	1536	•	-16.2	3	1.695+19	104	3.665.66	1510	÷	-16.2
	1.315+18	221	** 33E+ 5	1835	<b>.</b>		27 :	1.366.10	123	98-3410-	1635	•	
	1. 52E +1 U	362	61436202	2814	<b>.</b>	I Dat SO a s	* •	1.305.1	291	20325	2514	٠.	IN TO ALSO A
	6.13E**9		101 627 101	2726		9.11.	9	5.7454.9		4.7.75465	2226	•	6.77
	2.235+69	78.1	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1823		TAS (H/S)	20.2	2.595+89	20.	4.235+0.5	3823	: .:	145 (8/5)
	1.99E+89	221	2-162-75	1326			26	2.365+89	22.1	4.115.05	3326	-	133.9
	1.326+89	2	1.476.65	3617	-		\$2	1.755.09	241	9.896+64	3517	<b>:</b>	
	1.97€+39	196	4.4 12+64	394 4	<b>:</b>	MT (N/ME)	92	2.41.5489	163	9.246+64	1914	÷	RT (B) FB)
	7.37 6.68	50.	5-156+61	177	<b>.</b>	2521239.6	<b>9</b> 2	9.66E+68	2	9.346464	+217	<b>:</b>	2.966.1954
	1.002.09		5. 8 30. 6 5	9	:	9 10 101	•	68478777		5.156+1.4	•	:	- Tale
	3.186-01		6.375-61		2.27E-32	7.19*-01	3	3.615-81		7.156-61		3.466-92	7.66-11
								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					

SAMPLET 27		AFFT P-64 ON INTER E SIZE O	APTI ISIME SP4A) FLIGHT E79-64 ON 24 JAM 79 TATEMAL STATICHE SIZE DISTREBUTIONS TYPES ANIM	PRAY FEST BY AFEL 9 1 SECOND A 1 421 1291 45 * DNS (NUMBER/N**3- N	P4AY 7EST BY AFEL 3 1 SECOND AVERAGING 1+21 129145 ************************************	99 20 20 20 20 20 20 20 20 20 20 20 20 20	SAMPLE 1 27		AFFT3 -04 ON INTERN SIZE OF	AFFIJ ICING SPRAY TEST BY AFGL FLIGHT E79-B& ON 2% JAN 79 1 SFCOMO AVER INTERAL STARTI-21129147* PARTICLE SIZE OLSTZEGUIIONS (MUNDER/M************************************	Y TEST ( 1 5 1 11291474 (NUMBER	EST BY AFGL 1 SFCOND AMERAGING 9147° JNBER/NO+3-N4)	18G
PRESSURE: 1	18 oSI #20		FLOW RATE: 35 GPM	DISTAN	DISTANCE: SOO FT	CAL FACTORS 14.8	PRESSURE: 18	OZH ISC	FL 34 RATE 1 35	TE1 35 6P4	DISTAN	DISTANCER 300 FT	CAL FACTOR: 14.8
SIZE	SCATTER PROBE	ST2E (40)	0,000 P. 09E	SI7E	PROPE	0 (#81 549.6	SIZE	SCATTEP AROSE	S12E ('YU)	C. 000	S12E (HJ)	PROBE	769.8
~ •	5.75E+86 2.98E+69 7.63E+89	2 + S	5.97E+07 5.50E+67 2.57E+07	111	1.60 E.04 0.	ALT (KM)	6. 4.0	7.15E+08 3.43E+09 8.63F+09	6.3	3.38E+37 5.52E+b7 2.87F+f7	111	3.24E+94 9. 8.	ALT (KM)
- 3	1.23E+18 1.59E+18	2 61	1.246+87	1241		TEMP (C)	6 7	1,306+10	192	7.346.06	1241		TEMP (C) -16.2
24:	1.386+10	122	3.50E+86	2172		FROSTPOINT	15	1,325,10	122	3.36E+66	2132		FROSTPOINT
221	6.186+69		5-156+65	2726	. <b>.</b>	-1/-6	2 5	5,616+49	191	7,3 4E+09 5,1 4E+09	2726		-17.5
•	2.746+69	321	2-176-65	3320	: :	133.6	22	2,746.409	221	1.550.05	3823	::	145 (H/S) 133.1
\$ 15 th	1.70E+09 2.23E+09 9.18E+00	26.5 26.1 26.1 26.1	4.45 4.32 3.22 3.22 5.23 5.33 5.33 5.33 5.33 5	3517		NT (W/H1) 2117514.7	42 42 42 42	1,72E+09 2,33E+09 8,66E+09	144. 26. 26. 26.	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3914	ಕರೆ ಪಿ	NT (M/H3) 2148979.5
L MC	3,67E-01		5.18E-u.1		1. u5E-71 464	10TALS 6.23F-81 127	LNC MED 0	3,645-01	3	5,91£-61 115	0 0	2,135-11 494	7.93E-01
SAMPLE 3 27	AFFT. F.IGNT E79-64 JUNERO PARTICLE SIPE OF	AFFT	TOTING SP 24 JAM 73 JAL STATE ISPATENTION	PGAY TEST BY AFGL 1 SFCOND A 1 STLOGGE 1 STLOG	PAV TEST BY AFGL 1 SFCOND AVEPASTNS **1129145* NS (NUNRE2/4**3-44)	INS	SAMPLER 27		AFFTS INTERA SIZE DI	AFFTS FOLMS SORAN TEST BY AFSL F.IGHT E79-04 ON 24 JAN 79 1 SECONT AVERAGING INTERALL STATIF 21129143* PARTICLE S.LET DISTRIBUTIONS (WUM 920/4003-44) TYPET RAIN	1 1231 9 1 3E 11231439	V AFSL Cond Average /4**3*44)	5 N I
PRESSURE: 1	18 of H20	FL34 RAT	17Et 35 GP4	DISTAN	DISTANCER 300 FT	TAL FACTORS 14.0	PRESSUPER 13 >SI		FLOW RA	HZO FLOW RATER 35 GOM	DISTAN	DISTANCES 309 FT	CAL FACTOR: 14.8
SIZE	SCAFTER PROBE	\$12E ( 1U)	CL003	\$12E (4))	PRESIP PROSE	549.7	EZIS	SCATTER PROBE	3178 ( 4J)	2,0J3 P203E	SIZE	986946 PR338	549,7
N 2 1	7.27E+88 3.48E+89	8 F 1	5,57E+67	125	1.295+34	ALT (KM) 4.867	**	9. 86E+68	\$ 3 \$ 3	9.65E+07 5.44E+07	404	1.68E+13 7.03E+11	ALT (KH) 4.867
•==:	1,335+10	2001	10 th	1241		TEMP (C)	9 6 7	1,0+6+10 1,366+10 1,556+10	\$ 99 5 50 25 50 25	3.196+67 1.372+67 7.416+66	1241	ត់ខំតំ	TEMP (C)
1111	1.21E+18 5.20E+09 6.79F+89	191	7. 1 3 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2132		FOOSTPAINT -17.6	2:9:	1.175+10 1.125+10 5.335+19	7241	4.34 ME + 66 G G G G G G G G G G G G G G G G G	2429	သီး မီး မီး	FROSTPOINT -17.5
222	2. 86E+69 2. 39E+89 1. 52E+89	22.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	3.10E+05 2.79E+05 1.72E+05	3823		1AS (M/S) 133,5	\$ 5 G P	2.26E+69	221	3.1.16	3020		TAS (M/S) 133.6
<b>98</b>	2,135+09 0,50E+08 2,08F+49	30 E	5.57E+04 2.38E+64 2.11E+04	3914 4211 4588		NT (N/H3) 1910251.2	9 60 5	7.195+69	28.0	5.5AE+84 1.29E+6+	1124		NT (N/M3) 2544950.4
55	3.216-41	;	5.585-61		6.505-32	TOTALS 6.35E-81	) () ()		•	6.726-61		1.246-12	TOTALS 6.84E-81

¥	CAL FACTOR: 16.8	5.042	A1 T (E8)		•	TEMP (C)	-16.1		FROSTBOIM	-11.3	T 85 CH/S1			NT (PVRS)	1564837.5	0 1420	\$ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	112
13 ECOMO AVERAGIME 13 ECOMO AVERAGIME 1151 ° 1182 °	DISTANCE: 308 FT	PRECTP PROSE	7.466+93				<b>:</b>			•			<b>.</b>	-		:	4.87F-32	404
1651 1 8 129151 (NUMBE	015 14	\$17£ (30)	187	į	446	1241	1538	1415	2132	***	1373	3320	3617	181	4211			
4FF7 ICIMS SPRAY TEST BY AFGL. INTERFALS SARTOR 1 SECOND ANGI INTERFALS SARTI-21120 SK. PARTICLE SIZE DESTAUTORS (NUMBER/4003-44)	HZO FLOW RATER 35 GPM	7.040 P? 08E	4.106.67	4.125+67	2,165+07	1.065+07	6.345+66	3.1 BE+ 6	1.115+00	847 WE 9 L 9	4.4.4.4.4	9.335+04	0.	7.40€+€3	105.04	1,376.4	1,366-64	165
AFFTS B4 GN INTERV SIZE DE	FLOW RE	3215	*		6.2	-	10.2	122	?	i :		22	74.7	<b>5</b> 60	9	2		
2		SCATTER PROBE	1.346+80	4. 37 E+09	5. 75E+09	4. 27 E+69	2.55E+09	1.37E+09	1.436+69	7.05E+48	6.76F+08	3.15€+08	3.375+68	2.54E+08	1.585+09	1. /45 +56	4.735-69	ú2
SAMPLE 1 27	PRESSUREI 18 PSI	SI 2E	`		• ••	•	10	15	<b>3</b> :	<u>.</u>	: 7	22	*2	<b>5</b> 0	56	20	5	0 03H
9	CAL FACTOR: 14.0	P (NB)	1000	7.50		TEMP (C)	-16.2		FOSTPOINT	-17.5	TAS (#/S)			NT EN/ME)	2548135.2		2 Jan 10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	126
.AY TEST BY AFGL 1 SECOND AVERAGING 2129148* 5 (NUMBER/40+3-44)	DISTANCER 308 FT	PRECIP	2 265434	£ . £ 7 £ 7					•	<b>.</b>					•	•	1.665-11	701
RAY TEST BY AFGL 1 SECOND A 1211291490 15 (NUMBRA)	DISTA	\$72E (#J)	7 6 7	j	į	1241	1538	1835	2132	6242	200	332	3017	3914	4211	£ 20 £		
	TE1 35 GP4	300 td		5 7 F 4 B 7	T. Buffell	1.305.41	7.23E+C6	9 1 + 2 4 5 + 9	1.985+66	3.3 8E+65	2032C0C	9.316064	5.30E+C4	5.575+64	)E+C	4.) 3E+04	6.285.04	111
SIZE DI	FLOW RATE! 35	STZE ( 40)	;	Ç,		2	103	122	242	9	101	22.	7	95	289	363		
PLIGHT E79-8- ON Z- JOHNG SP 14TRWAL START' PARTICLE SIZE DISTREDUTED	18 ° SI H20	SCATTER PROBE		1.335.489		1.487+10	1.256+10	7.77E+69	7.55E+69	2.87E+09	2.015.409	1.245+89	9.435+09	1.21E+09		1.06E+09		:
SAMLE: 27	PRESSURER	\$12E	•	<b>V</b> 4	• •	• •	· =	12	3	16	5	22	₹	92	2	30	•	AE0 3

. NE P. AG 1965	BO FT CAL FACTOR: 18.8	000 d 30	E+84 ALT (804)			TEMP (C)	-15.5		# TO 1 1 50 % 1		TAS (M/S)	135.7					C-11 1.13E+00		AVERAGING -441)		00 FT CAL FACTOR: 18.8	19 P (46)	1	respective search	TENP (C)	-15.6	FROSTBOINT	-10.7	TAS CH/S)	135.3	WY CHOOLES	801368.0	
1281 BY AFGL 1 SECOND A 134115 (NUMBER/H**3-	DISTANCE! 300 FT	SIZE PRECIP		547 7.46E+81		1241 8.	1536 0.	-	25.45 0 5.45		•	3320 0.	3517 0.	5714 6.	4508 0.	,	1.066-11	7	TEST BY AFGI 1 SECOND 1 34134 (NUMBE2/MP43)		DISTANCES 300 FT	SIZE PRESIDE		24.7 T-15.			2132 8.	•	3023 0.	•	3617 8.	4211 0.	•
FIGHT EFF-SE ON 26 SENT 79 1 SECOND AVERGING FIGHT EFF-SE ON 26 SENT 79 1 SECOND AVERBEING THE	HZO FLON RATE! 46 GPH	2,000 2,000	9.106.67	6.795.07	3.69€+27	2.226+17	1-156+17	7.17E+16	3.715+66	9.39E+L2	5.1 "E+F5	3.56E+05	1.365+05	1.5 ULT. 1.7	1.345+05		1.836+63	/21	F.IGHT E79-54 ON 24 JAN 79 1 55:000 NVERGING F.IGHT E79-54 ON 24 JAN 79 1 55:000 NVERGING F.IGHT EARTHOLISALJA PARTICLE STEE DISKEGUTJONS (NUMERANNESANN)	TYPE: RAIN	420 FLJN RATEI 46 6ºM	3.003 3409E	6.302+67	4.57E+87 2.54F667	1-296-07	93-328-1	2.336+66	1.46E+06	5.916.65	4.992.05	2,7 25,85	1.365+85	
4447 14468 14168	20 FLOW RI	SIZE	3.6						241										4FFT; 79-84 04 INTER: LE STZE 0:		20 FL34 R	\$12E (+U)	23			_	251			122			
F. IGHT E		SCATTER PROBE	4. 326 -88	1.72E+89	5.286+89	9.21E+89	1. 28E+18	1.11E+10	1.236+10	6. 48E+19	3.275+69	3.466+19	1.97E+09	######################################	2.635+89		4.17	22	BA F.IGHT E PARTIC			SCATTER PROBE	4.33€+88	2,32E+69	9. 42E+69	1.36E+18	1.365+18	7.52E+89	5.61E+89	3.34E+69	2.12E+09	1.31E+89	100
SAMPLE! 24A	PRESSURER 18 PST	\$12£ (MJ)	•		•	•	10	12	3;	9	2	27	*2	8 8	92		2	MED D	SAMPLET 28A		PRESSUREL LA PST	SIZE	~	* 4	•	3	12	16	2 2	22	2.5	38	
<b>9</b>	CAL FACTORS 14.4	( NO. ) 4		- C - C - C - C - C - C - C - C - C - C		TENP (C)	-15.9		FROSTPOINT	-11.3	TAS (M/S)	133.2		NI (N/ES)		TATALS	6.28E-01	116	1 MG		CAL FACTORS 14.0	4.9.4 54.9.4	ALT (KM)	4.871	TEMP (C)	-16.8	FROSTPOTNT	-17.5	7.AS (M/S)		-	2657105.0	
PRAY TEST BY AFEL 9 1 SECOND ANERAGING 1-21:20:53- 005 (MUN MEA/We+3-M4) N	DISTANCE: 360 FT	PROSE	*****	4.01E+0.				<b>:</b>	•		::	: -:	÷	<b>.</b>		}	3.22E-02	e e	PRAY TEST BY AFGL 1 SECOND AVERAGING 1421(29154) DNS (MULHER KARTHA)	2	DISTANCES 340 FT	PRECIP PROME	5.406+33	1.52E+91	: 4			•		•	٤,	: :	;
PGAY TEST BY AFGL 1 SEGNO A 1 SEGNO A 10 SELECTION EX/HG-3- 1	01514	SEZE (MU)	•	ì	i	1241	152	1835	2132	242	1123	3358	3617	3914	1298				PR AY TEST BY AFGL 9 1 SECOND A 1-21 829154 P		01511	SIZE	101	3 8	1241	1538	1835	6242	3726	326	3617	6211	 
: ICING SP44 24 Jan 79 141 STATT: 0 (STAINUTION (VPE: 44IN	ITE: 35 GPM	01.0U0	,	6.7 W. + 6.7	2.7 16 4 87	1.586+87	7.5 35.006	4.252+86	1.596.86	5.405465	3-1 15 6 5	2.186.05		4.0.1E+04	4 4 4 4 4 4		5.356-81	112	AFFT ICING SPRIFT ICING SPRIFTS INTERVAL STRATES DARTILE STRATES	TYPE! RAIN	ME1 35 604	2, 003 96 99 8 09 E	2.43.6.8	7.156+67	1.696467	7.375+66	4.69E+16	8.525+05	5.17E+15	į	36.	4.046464	
AFFT. 24 04 24 04 24 25 0	D FLOW RATE: 35	\$17£	:	F 4	; ;	2	782	122	242	191	7	22	24.1	36.	- C	•			16FT; 9-64 ON INTER	3	O FLOW RATES	S12E (10)	\$2	7;	9 6	192	122	191	==	72.	242		,
APPT ICTME APPT ICTME FOR TA TARENT FART MITERIAL STREET WITH THE RATE OF THE PART OF THE	02K 15e et	SCATTER		7. 496+00	707767	2.74F+B9	1.796+19				1-1-16-48			1.656+00			2.97E-82		27 FLIGHT ET		19 BSI H20	SCATTER PROBE	2,226+89				3, 236+69			0. 6. E+88		3 - 70E - BA	
	PRSSURE	21 S	. (	~	•	•	. 2	77	=	2	2 2	2	2	9.	5	•		MED D	SAMPLE 1 2		PRESSURES 18 BSI	SIZE	~	•	•	<b>'</b> a	71	12	28	22	*	2	,

																							10.0																
¥	CAL FACTORS 18.8		ALT (CO)	£ 871		TEMP (C)		FROSTPOTET.	-16.2		TAS (M/S)	135.1		MT (M/ME)	.25147.1	TOTALS	1.096-61	144		9			CAL FACTOR: 18.8	6	549. 3	44.7 (101)	£. 87.3			•	FROSTPOT IIT		7.AS (M/S)		•		1304461	TOTALS	19-11-11-11-11-11-11-11-11-11-11-11-11-1
1 SECOND AVERAGING 1 SECOND AVERAGING 11 22° 11 GE 4/10° 5-1113	DISTANCE: 308 FT	38034 64084	2.536+83	5.306+61	1.575+01	<b>:</b>	<b>:</b> .						<b>:</b>			:	2.126-12	*11	BY AFGL	FOOMO AVERAGE	INTERAL STARTO-21046239 ITE DISTAIGULIONS (NUMBER/NO-5-49)		DISTANCES 330 FT	PRECIP	34 O 44	8.542.13	2.97E+81	1.56E+91	• 1			<u>.</u>	: 4		-		: .:	;	5. %E-02 110
7 TEST 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1	01574	\$12E (MJ)	7	5	į	1921	1538	21.39	24.2	2726	3823	3320	3617	Ĭ	1125	,			1631	7	134623 (HEHB)		01574	\$176	3	;	3	į	1637	1035	2112	542	4423	3326	3617	T.	1125		
FIGHT E79-84 ON 24 JAM 79 1 SECOND AVER INTERNAL STATT-EILSALEZ- TATERNAL STATT-EILSALEZ- PARTICLE SIZE DISTAILONS (MANGEA/M***)-N49	FLOW RATER 46 GPM	2 000 2 000 2 000 2 000	1.375.87	9.145.16	5. B.M.+C.6	7.572.086	1.978+66	A.5 9c . n 5	3.786.6	2.29€+1.3	8.345+0+	1.5 %+65	•	8 - + 96 + 6 3	1.755.94		1.506-01	136	AFFTS TOTHE SPRAY TEST BY AFEL	24 JAN 79	AL STARTS 2:	TYPE: RAIN	HZO FLOW RATER 46 6P4	60	36024	4.585+87	3.405.07	1.916-67	2.9.6.06	3.366.86	1.14.16	10.40 Per 10.00	6.14.6.15.	3.845+65	1.116.05	1.245.65	1.5 CE - 1.5		6.116-01
10 10 10 10 10 10 10 10 10 10 10 10 10 1	F. 78 R.	\$126	23	7	29	26	787	142	141	197	22	122	<b>361</b>	9	202	•			VerT:	HO 1	SINTER		FLOW R	5175	\$	23	<b>*</b>	29	-	122	717	19:		122	7	792	,	•	
A FLIGHT ET9- PARTICLE	H20	SCATTER 3 ROBE	7.435+60	3, 37 € +83	7.376+69	9.655+89	1.265+18	1.246.19	6.586+19	6.436.49	3.115+09	3.41.6409	2.03E+09	3.656+69	1.47E+89		4.13E-01	22	•	F. IGHT E79-04 ON 24 JAN 79	PARTICLE		02H 15¢ PT	SCATTER	360%	1.015+69	4.546+89	9.05E+09	1.365 •18	1.87E+18	1.23E+10	6.11E+89	1.146489	3,116+89	1.746+19	2.685+89	2.436+89		3. 04 E - 01 22
SAMPLE 1 28A	PRESSUREI 18 PSI	S126 (M)	~	.•	•	• :	<b>:</b>	1 -		7	82	22	3.	92	2 2	•	2	MED D	SAMPLES 284				PPESSURER 1	2173	5	α.	•	<b>4</b> 0 •	•	21	<b>4</b>	91	2 2	22	2.5	92 :	• • • • • • • • • • • • • • • • • • •	,	
																							16.0																
992	FAL FACTO*: 18.8	F (HR) 54.9.3	ALT (KM)	4.873		TEMP (C)	-15.9	FEDSTONTWI	4.8.6	•	TAS (M/S)	175.2		MT (N/M3)	1791334.5	TOTALS	7.405-01	147	!	٠			CAL FACTOR: 16.0	9	2.645	ALT (KH)	4.874		15.9		FROSTONINT	-19.	TAS (M/S)			WT (M/M3)	7 . T	TOTALS	6.21E-81 141
1 SECOND AVERACTNG 1 SECOND AVERACTNG 1210 148ER/N************************************	DISTANCE: 300 FT	PRECTP	5.346+33	1.506+71	:		<b>:</b> .	•				å	:	<b>.</b>		;	5.375-32	909	37 AFGL	COMP AVERAGI	(FA-Exam/W38FNW) SACIIWAIN ISIO IZIS GIOTLWAA		DISTANCE 300 FF	PRECIP	PPJGE	6.735.13	8.98E+31	3.142+91	• •		<b>.</b>	. ·	: 2	:	-	j.	: :		124
151 151 151 151 151 151 151 151 151 151	DISTAN	STZE (MU)	101	6.7	ż	1541	1518	2132	212	2726	3423	3326	3617	161	1124				TEST		13+151 (MUE)		01574	SIZE	3	3	647		1538	1835	2132	242	1023	3326	3617	3914	1 20 8		
PLIGHT F79-84 ON 24 JAM 79 1 SECOND AVER INTERNE STATICOLISSESSO INTERNE STATICOLISSESSO PARTICLE SIZE DISTRABILIONS (MUSER/H**3-H*)	TE1 46 GPM	C.000	7.266.87	4.345.67	2.29€+17	1.116.07	6.74546	2.396+46	A. DAFeds	7.56€+65	3.30E+E5	4.398.40	5.316+84	1.255+85	2.285+65		6.988-01	138	ITING SPAA	24 JAN 79	AL STARTI-21 STRIPUTIONS	YPE: RAIN	HES 99 131	2,043	380≥6	5.306+£7	1.8 nE+07	2.336+67	5.465+65	3.285+56	1.355+66	1.)25.486	4.496465	3.306+65	1.36€+65	78+36 0.6	** 5 0E + D+		7.0%E-81 132
MFT13	FL3W RAT	3772	23	£ 3	6.	20	201	. 4	16.1	191	102	2	7	3	9 5	•			AFFT	24	147EFF	-	FLOW RATES	\$125	3	23	<b>3</b>	9	787	122	16.2	9	101	22.1	79.	92			
FLIGHT E79- PARTICLE :	PSI H20	SCATTER PROBE	7.36E+88	2.446+89	6.966.09	1.186.19	1.265.10	1.366+18	7.215469	7.385+69	3. 496+19	3.476+83	2.315+09	3. 01E+89	1.475-69		4.63E-01			F.16HT E79-	PARTICLE		02H 15c	SCAFTER	PROBE	5.52 #+88	2.23F+u9	6.296+89	1.30E+18	1,226+18	1. 39E+10	7.985.09	4. 66 E+19	6.16E++9	2,482+89	3.665+69	3. 26.09		22
SAMPLE 1 20A	PRESSURE: 16	SIZE STATE		•	•										9 J	•	2	MED 0	SAMPLE: 26A				SESSORE 18	SIZE	(AF)		•									2:			

PARTICLE SITE DISTALENTORS (AUGMENTALE)	ONS (NUMBER/N=3-44)
CAL FACTOR: 18.8 PRESSURE: 18 PST HZO FLOW RATE! 46 GPM	DISTANCE: 300 FT CA
P (MB) SIZE SCATTER 549.5 (MJ) PROBE	
ALT (KM) 2 7.516+08 4.877 4 3.16E+09	
Φ.	•
10.9 1.41E+10	Ξ
12 1.27E+10 FPOSTPOTAT 1.45E+10	~
9	
10 /.172+09 745 (14/5) 20 3.746+09	~
136.7	7
	_
	•
137 MEG 0 22	-
SAMPLES CAN F. JGHT E79-04 ON 74 JBH 79 1 5COMO AVERASIMO INTERAL STATISES 125 COMO AVERASIMO PARTICLE SIZE DISTRIBUTIONS (MUN BER/MR**-4M) TYPES ARIN	PRAY 1651 BY AFSL 3 1 SECOND AVERAGING 18-21,846,259 DAS (WIMPER/HP#3-44) IN
GAL FACTODE 18.0 PRESSUREE 10 PST 470 FLJH RATEF 45 FP4	
P (MB) SIZE SCATTER 549.4 (MU) PROBE	
~	
4,871	
	-
10	
12 1-136+10	,
• •	2
20	1 AS
**************************************	-
1742530.1 28 1.17E+09	
30 2.26E+09 TOTALS 2.6E+09	
HEO D	

SAMPLE: 28A AFFT; ICING SPRAY TEST BY AFGL F.IGHT E79-84 ON 24, JAN 79 1 SECOND AVERAGING LATERAL, STATT \* \$13438\* PARTICLE SITE DISTRIBUTIONS (NUMBER/M\*\*3-44) TYPER RAIN SAMPLET 20A APPT; ICING SPRAY TEST BY AFGL
FLIGHT E79-04 ON 24, JAN 79 1 SECOND AVERAGING
INTERVAL STATT\*2113423\*
PARTIGLE SIZE DISTRIBUTIONS (NUM BER/M\*\*3-H4)
TYPES RAIN.

CAL FACTOR: 18.8	7.6% 2.6%	447 (1831)	4.074		TEMP (C)	-16.1		FROSTPOINT	-16.8		TAS (H/S)	1.5.1		T (N/H3)	2672611.7		TOTALS	1.10E+00	145
DISTANCE! 300 FT	PRECTO PROBE		3.00E+11		:	÷	<b>:</b>			÷	٥.	•	•		9.	•		9.255-12	901
DISTA	STZE (MJ)	101	<b>*</b>	į	1541	1536	1015	2132	24.99	2726	3023	3320	3617	3914	4211	4504			
FLOW RATE! 46 GPM	CL DUD	9.3 55+67	6.375.07	3.66€+87	1.56E+L7	1.1 BE+ [7	6.385+66	3.475+66	1.285+66	1.375+66	5.57E+65	4.296+15	3.745+65	3.438+05	4.1 4E+6 5	1.316+05		1.196+60	726
FLOW R	S12E (4U)	23	*	29	82	201	122	142	161	181	101	221	24.5	268	280	343			
02H ISa 81	SCATTER PROBE	1.58E+09	6.14E+09	1.07E+10	1.17E+10	1.16E+10	7.59E+09	7.7 3E+09	3,15E+09	2.85E+09	1.48E+09	1.30E+09	9.62E+38	1.33E+09	7,535+48	1.21E+09		2.11E-01	21
PRESSUREI 18 PSI	SIZE (MU)	~	*	•	•	27	15	1	16	97	20	22	\$2	92	20	30		3	MED 0
CAL FACTO91 18.8	0.643 549.0	ALT (KM)	4.877		TEMP (C)	-16.1		FROSTPOINT	-17.0		TAS (H/S)	174.9		NT (N/H3)	7250234.9		TOTALS	1.24E+00	143
DISTANCE: 100 FT	PRECIP POORE	1.616+06	3.005+01											:	•		;	9.405-12	406
DISTAN	9218 (43)	4 64	2 49	116	1241	1538	1835	2132	2429	2726	3923	3320	3617	3914	4211	4508			
TE1 46 GP4	C_040	1.345+88	7.5 45+07	3.726+07	2.19E+C7	1.125+07	7.125+66	7.87E+1.6	1.566+65	1.2 AE+66	7.3 35+6.5	5.33E+05	2.155+45	2.57E+63	3.272+65	1.366+45		1.1 4.+6 0	133
HZO FLOW RATE! 46	(O).)	2.3	m d	6	25	102	122	142	161	181	201	221	24.5	26.0	200	101	•		
	SCATTER PROBE	1.625+99	6,345+09	1. 045+10	1.04E+18	9. 63E+89	5. 57E+119	5.485+49	1.958+89	1.58E+09	7.53E+08	8.21E+08	7. 26E+08	8. 21E+04	4. 34E+08	7.675+08		1. 385-01	72
PRESSURE: 18 PST	S I Z E	~	•	•		7	21	: :	9	97	28	22	*2	2	25	=	}	- 1	MED 0

SAMPLE: 284
F.IGHT E79-04, ON 24, AM 19
I SECOND AVERAGING
INTERVAL STATTW-21:34131\*
PARTICLE SIZE DISTRIBURTING (NUMER/WW-3-MM)
TYPE: RAIM SAMPLE: 26A FEG. 107NG SPRAY 7EST BY AFGL.
FLIGHT EF9-04 ON 24 JAN 79 1 SECONO AVERAGING
INTERAL STATIFELISH123\*
PARTICLE SIZE OFSTRAUDITIONS (NUMBER/M\*\*3-44)
ITPER RAIN ě.

CAL FACTOR: 18.8	F (18) 549.2	ALT (KH)	1.87		TEMP (C)	-16.1		FROSTPOINT	-16.7		TAS (M/B)	135.2		IT (N/N3)	2838681.8		TOTALS	1.196.40
DISTANCE! 388 FT	PRECIP	1.12E+34	2.99E+01		•	÷	•		<b>:</b>	<b>:</b>	<u>-</u>	<b>:</b>	÷	<u>.</u>	-	<u>.</u>		7.45E-02 486
DISTA	SIZE	7	ż	116	1241	1534	1835	2132	6246	2726	3023	3326	1617	3914	4211	154		
RATE: 46 GP4	C. OUD	9.8 35+67	6.346+67	3.56E+07	1.865+17	1.195+07	5.30€+66	3.87E+C6	1.36E+65	1.205+66	5.85€+85	5.215+05	2.046+05	2.1 5€+05	2.275+63	1.416+05		1.03E+00 134
420 FLOW RE	\$12Ē (4U)	23	M #	9	8	102	122	142	191	181	201	125	242	266	280	36.0		
	SCATTER PROBE	8.26E+08	4.07E+09	8.845+09	1.25E+10	1.395+10	1.11E+10	1.235+10	5.99E+89	5.20E+09	2.61E+09	2. 45E+19	1.65E+09	2.586+09	1.18E+09	2.20E+19	!	3.52E-61 22
PRESSURER 13 PSI	SIZE	~	•	10	•	2	12	=	91	97	20	22	<b>1</b> 2	<b>5</b> 6	28	36		L NC NEO O
CAL FACTOR: 18.0	P (HB) 549.1	ALT (KM)	4.875		TEMP (C)	-16.0		FPOSTPOINT	-16.9		TAS (M/S)	135.4	1	NT (N/H3)	3427189.0		TOTALS	1,215+00
DISTANCES 300 FT	PRECIP PROBE	9.795+13	1.50E+11		: -				•				:		•	•		6.50E-02 405
DISTAN	SIZE (MN)	404	64.7	446	1541	1536	1035	2132	24.3	2726	3823	3320	3617	3914	4211	4508		
HZO FLOW RATE! 46 GOW	3.0J7	1.255.68	7.6 BE+ 0.7	4.10E+87	2.375+67	1.140.67	7.386+46	3.395+60	1.315+66	1.275+06	6-128+05	3.986+65	2.) 4E+05	2-385+05	2.50E+65	1.546+05		1-1 55+60
FLOW R	\$12E (40)	23	*	6.2	2	132	122	16.7	191	181	787	121	241	26.0	200	300		
	SCATTER PROBE	8.79£+88	4. 39E+119	9. 45E+89	1.16E+10	1.416+10	1.08E+10	1.24E+18	6.196+19	6. 435+89	2.57E+89	2.638+49	1. 66E+49	2.87.649	1.12 6.09	2.42E+89		3.70E-41 22
PRESSURET 10 PSI	SIZE	^1	•	•	•	10	12	4	16	79	8	22	*2	56	82	200		7 2 2 3

SAMPLE: 28A AFFL ICING SPJAY TEST BY AFGL FLIGHT EPG-TA, DV 24, JAN 79 1 SECOND AVERAGING TARESTER STATES AND AFFLECTER OF TREETING TO AFFLECTER OF TAREST AND AFFLECTER OF TA

DESTANCES 338 FT CAL FACTORS 18.8	E 24ECTP D (MA)		The sections of the sections o	\$	•	8 916.1		•	9 016.6	•	<b>-</b>	434.5	<u>.</u>	4 B. NT (N/M3)	0. 27	ė		6.78F-32 6.68E-81	
-	SIZE		3		1241	153	1.03	213	242	272	102	132	3617	391	4211	4 53			
FLOW KATER 46 GPM	S126 CL003	•	79 791E+67	62 2.716+67				14? 3.11E+to									'	8.215-01	
10 9SI M20	STATTER		D- 202-00	7.796+09	1. C5E+10	1.32E+10	1.165+16	1.346+10	7.09€+09	7.175+63	3.32E+09	3,426+89	1.865+09	3.315+09	1.468+69	2.95E+09		4.33E-01	
PRESSURET 10 PST	STZE		4.	• •	•	7	2	=	91	10	20	22	2	92	82	30		CAC	•

FIGHT E79-84 ON Z4 BAN 79 1 SECOND AVERAGING INTERAL STATISTISCHESS PARTICLE SIZE DISTEURIIONS (NUMBER/M+03-M4)	4 DISTANCE: 308 FT CAL FACTOR: 16.8	SIZE PRECIP P (MB)	6.14E+34 AL				•		2726 0.	3023 0. TAS		40.1 D. XT CE/ESS		•	S_B+300; 2 PC=310.4		AFFIZ ICING SPAN TEST BV AFGL F_IGHT EF9-G4 ON 24 JAN 70 1. S.COMM AVERAGINE INFERVAL STRATE-2144:189** PARTICLE SIZE OFSTRAUTIONS (MUN 852/4**)**********************************	G. S. SCHOOL S. T. CON STANTANTO A	12 000 130011510	SIZE PRECTO P (MB)	404 1.05E+05 ALT		1241 0. TEM	1536	D. FROS	2429	3073 0. 145	**************************************	3517 G. RT CH/RT.			6.93E-31 1.65E+88 6.95
AFFT ICING SP 84 ON Z4 BAN 79 I OFERAL STARTS SIZE DISTALBUTION TYPES RAIN	HZO FLOW RLTE! 46 GPM	SIZE CL043			62 3.27E+67			142 2.325+46		201 6.96E+C5		241 3043E+14			7.376-11	124	AFFICING SPI OF ON 24 JAN 79 INFRWAL STARTE SIZE DISTATEMBLED	MOD 44 00700 MC 17 060		STZE CLOJO (40) 9209E	23 8.345+07			102 1.315+07			281 7.81E+85		241 Za41E+05			9,51E-81 136
SAMPLE: 288 F.IGHT E79- PARTICLE		STZE SCATTER (MU) PROBE	2 1.676+49			6:49 6:40 0T	12 2.706+09	2.26E+0.4				24 8.35.408	28 5.15E+03		10 TO	HE9 0 22	SAMPLE: 289 F.ISHT E79- PARTICLE	Cen Too 64 . Suits and Control		SIZE SCATTEP (MU) PROBE	2 1.546+09	60+316-7		13 5.695+09			15 1.35E+69 20 8.13E+09		24 6-15E+08	29 6.02E+09		LWC 1,19E-01 MED 0 22
	CAL FACTOR! 18.0 PRESSURE: 10 PST	P (HB) 549.5	ALT (KM)	4.870	10.0	-16.1		FKOSIFOINT -1# R	•	TAS (4/S)	134.7	, ta/ta/	2760625.2		10TALS	131		CAL FACTORS CAL		9*695 26.9	ALT (KH)	** 36 **	TEMP (C)	-16.3	FROSTBOINT	-18.5	TAS (M/S)	135.2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2827504.6	TOTALS	9.55E-01 126
PPRAY TEST BY AFGL. 9 1 SECOND AVERAGING 1*2144485* 0-MS (NUMBER/M**3-44)	DISTANCE 1 309 FT	SIZE PRECIP (NJ) PRORE			944 4.7.5+01	1536 0.		7132 ". 2420 n.	2726 0.			0 714C	4211 0.	4538 Q.	4.975.12	420	PPAV TEST BY AFGL 1 SECOMO AVERAZINS 1 21144107 WHES 2/H**3-44) N	THE TANCES TOO ET	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SIZE OREGIO (MU) POJRE	474 6.22E+33		12+1 0.		2132 0.	2429 3.	1023 0.	1320 0.	1914	4211 0.		4.15E=32 406
TCENG S 24 JAN 7 VAL STARI ISTALBUTI	FLOW RATER 46 GOY	\$176 G_000 (40) PROSE	7.4uE+C	6.520+0		9.545405	934296.6	20/15450	9.22E+05	3.5 35 +6 5	5.345465	1.155	E 04509 T	4.5.E+;4	A.72r.31	125	AFFTS ISING SPRAY 1 ON 24 JAN 79 MISRAAL STATIFESSII ZE DISTREBUTIONS (1) FVOST RAIN	PO STEE AS COM		(4U) 0208E	8.355+0	3.5.4E+07	1.925+07		3.242+86	1.546+66	4.456+65	2.762465	1.546.6	15 +0 5		9.13 <u>5</u> -01
APFT F.IGNT 279-84 ON INTER PARTICLE SIZE D	PRESSURER 18 PST H20 FL	SCATTER PROBE	8.235+68	6.97E+09	6 1.28E+18	1.225+10	7.29E+09	7. 62E+39	3,265449	2.04E+69	1.955+03	1.255.409	1,13644	1.416+09		0	AFFTS ITINGS FLIGHT E79-04, ON 24, JAN 77 INTERVAL STRAT PARTICLE SIZE OSTRATAGE RAF	22	2	SCATTER PROBE	1.385+89	1.57E+10	1.405+14	1. USE+10 5. 17F+00	5.658449	2.26E+09	1.70E+09	1.64E+69	1.555+09	38E+88		2.83E-01 D .22
SAMPLE	PRESSURE	STZE (MJ)		•		Ä	#		. A	N	Ni i	u ~	· Ñ	m	-	E G	SAMPLE	PPF\$\$400 10 307	1	SIZE	-	•	~	# <b>:</b>	. <del>.</del>	ā ;	. ณั	คั คั	N K	. N F	•	360

INC INC	CAL FACTORS	7.0.5	ALT (KH)	- 84		TEMP (C)	-10·4		FROSIMI	.18. 4ª.		TAS (M/S)	134.3	i	AT CR/MS)	2983869.6		TOTALS	2.015+00	582
EST BY AFGL 1 SECOND AVERAGING 4012* UNBER/4**5-44)	DISTANCE 400 FT	PRECIP	1.316.05		:	•	÷			•	•	•	•		:	•	ċ		9.615-11	101
1 51 1 51 1044122 (NUMBE:	1210	SIZE (MU)	3	647	1 10	1241	1538	1935	2132	6242	2726	1023	3320	1617	3914	4211	4508			
FLIGHT E79-84 ON 24 JAM 79 1 SECOND AVER TVERMAL STATT=2114412* PARTICLE STZE DISTARBUTIONS (NUMBER/44+3-444)	HZO FLJH RATER 46 GPM	C. DUD P209E	9.305+07	6.515+07	3.765+07	1.386+07	1.156+67	6.71E+86	3.516+66	1.59€+65	8.395+65	6.735+6>	5.965+05	4.11E+65	3.28E+05	2.526+15	2,34E+05		1.1 5E+0 C	138
AFFT 14758 51758	FL3# R	ST 2E	23	ņ	62	<b>6</b> 0	707	122	1+2	161	191	102	221	241	260	280	533			
ď		SCATTEP PROBE	9.206+08	5.53€+39	1.33E+10	1.505+10	1.29E+10	6.60E+09	7.166+09	2.73E+09	2.63E+09	1.63E+19	1.6dc+09	1.27E+09	1.515+09	d.73E+08	1.29E+19		2.26E-01	22
AMPLES 285	PRESSURE: 1	SIZE (MU)	N		•	•	97	12	*	16	91	5	22	24	52	82	39		3	#ED D
e e e e e e e e e e e e e e e e e e e	CAL FACTOR! 18.0 PRESSURE: 10 PSI	P (MB) 549.4	ALT (KM)	4.871		TEMP (C)	-16.3		FUNSTROIMT	-1 R. 4		TAS (M/S)	136.0		NT (N/M3)	2575722. 7		TOTALS	1.376+00	196
IEST BY AFGL 1 SECOND AVERAGING 44110* HUMBER/H**3-H43	DISTANCEL 300 FT	PRECIP	7.176+34	0				٥.	•	•				ے:	: 4	;			4.72E-31	701
Y TEST 1 5 1 144 10 (NUMBE	01574	SIZE (MU)	3 03	547	346	1241	1538	1835	7132	2429	272€	1023	3320	1617	3914	4211	45.16			
APTJ ICH MG SPRAV TEST RY AFGL 4 ON 24 JAN 79 1 SESONO AVER IVEERAL STATT: PLAGALLO* IZE EUSTATUDILING (WUMBEA/M**3-H4) IVPER RAIN	ITc 1 46 GPM	5, 000 0,09E	8.336+07	5.396+07	* 3 4E+C /	1.7 45+07	9.575+66	5.59E+06	3.41546	1.572+15	9.755+65	4.21E+65	4.375+1.5	1.72F+F	1.375+15	1.438+65	1.285+1.7		8.375-[1	129
AFET 1-04 ON 1-4FER	HZO FLOW RI	\$12.E (*U)	23	M 4	9	82	132	122	142	141	181	231	12.	7	260	94	303			
AFET EPS-64 ON FLEEN TANKE TAN		SCATTER PROBE	2.435+49	9.675+09	1.535+10	1.01E+10	6-135-69	3.635.69	3. 46E+49	1.235+49	1.63E+03	9.565+08	1.25E+09	8.34F44.8	9.635+1.8	4.65E+09	5.745+08		1.29E-01	22
SAMPLE 1 268	PRESSURE: 18 "SI	SIZE	~		•	•	9	75	**	16	9	20	2	. *	25.	2	2		S.	MED D

1.61.1

CAL FACTOR: 16.0 TOTALS 1.47E+10 205 FROSTPOINT -18.4 TEMP (C) TAS (M/S) 183.5 NT (N/NE) 265605.8 ALT (KH) P (MR) 549.5 AFFIZE TOLING SPRAY TEST BY AFFIL FLIGHT E79-D4 ON 24 JAN 79 1 SECOND AFFRAGING INTERPRETATE-21846118\*\*
FARTICLE SIZE DISTRIBUILDAS (NUMBER/W\*\*\*-M4)
TYPE: RAIM DISTANCE! 380 FT 5.226-01 7.93E+34 CAL FACTOR: 18.0 PRESSURE: 10 PST HZO FLOW RATE: 46 GPM 9.46F-01 124 5.003 \$12E (40) 9,93E-09 10,28E-09 10,28E-09 10,28E-09 10,28E-09 10,68E-09 10,68E-09 10,48E-09 10,48E-09 10,48E-09 11,48E-09 2.38E-01 22 SOATTER PROPE \$12E FROSTBOINT -18.4 107ALS 1.62E+00 ALT (KM) 4.871 7EMP (C) -16.3 TAS (M/S) 134.2 NT (N/H3) 2993674.5 P (MB) 549.4 1 FIGHT E79-04 ON 24 JAN 79 1 SECOND ANTHONING TYPERSTRUM THE THE TRANSPORT OF THE THE TRANSPORT OF THE TAIN DISTANCED 3PD FT PRECIP PR) ne PRESSURE 13 3ST H20 FL3# RATE: 46 G3M 9.39E-01 124 C\_0U3 1.65E-01 22 SCATTER PROBE 4888886546598666

SAMPLE: 283

SANPLE 289

SAMPLE: 200 APF72 ICING SPRAY FEST BY AFGL F.IGHT EF9-00 20, JAN 79 1 SCOND AVERAGING INTERVAL SARTI-221066110 PARTICLE SIZE DISTRIBUTIONS (NUMBER/H0-3-H4) IPPER RAIN

SAMPLE: 289
F.IGHT EF9-84 ON 24. JAN 79
ISCOND AVERACING
INTERVAL STATFF2114-115\*
PARTICLE SIZE DISTRIBUTIONS (MUNDEA/N=0-3-04)
IPPER AAIN

1. 10.0											
CAL FACTOR: 18.8	£ 3.	ALT (RW)	TEMP (C)	16.6	FROSTPOINT	71.2	TAS (M/S)	111.5	NT CM/M31	1725989.1	TOTAL S 1.11E+88
DISTANCE: SEB FT	PRECIO	6.55E+34 1.	<i>::</i>		::		: :	<b>:</b> .	::		4.31E-31
DISTAN	\$12E	73	127	1516	21 32	6242	1023	3326	3016	4211	
HZO FLOW RRTE: +6 GP4	5,003 P106£	7.176.07	2.515+67	A-862+66	1.325+66	1.225+66	5.378+05	5.36E+05	9.39E+C+	1.816+05	6.845-01 132
FL 34 RA	3218 (40)	# F 9	<b>8</b> 6	201	142	191	191	122	7 9	662	2
	SCATTER PROBE	1.126+09	1.336+10	1.16E+10	6.688.489	2. 98E+89	3. UBE 003	2.436+03	1.81F+F9	1.256+09	2.7.E-01 23.7.E-01
CAL FACTOP! 18.8 PRESSURE: 18 PSI	S122 (MU)	<b>6</b> 13	· • •	<b>5</b>	4	2	5 5	22	26	23	27 1,80 1,80 1,80 1,80
	549.6	4LT (KH)	TEMP (C)	-16.6	FROSTPOINT	-18.1	1 A S (M/S)	132.4	NT (M/H3)	2275587.1	TOTALS 1.45E+80 228
JISTANCE! 300 FT	PRECIP	8.84£+94 9.	• <u>•</u> •	1.99:+01				٠.	•		5.336-11
JISTAN	SIZE	104	1241	1538	2132	545	3023	1321	1914	4211	
17ft 46 GPH	C, 00.)	7.305.4	2.395.67	7.855.06	2.456+60	1.376+65	5.905.6	6.345.05	1.115.65	1.775+65	3.43£-61 134
HZO FLOW RATER 46	3215	N F 5	4 5	201 201	745	181	12	<b>1</b> 7	26.3	330	
	SCATTER PROBE	9. 52E+68 5. 34E+69	1.19E+10	7.47.09	6.96E+09	3.214.09	2. 636+09	2.34E+09	1. 34 [+69	1.15E+u3 1.67E+13	2.73E-01 23
PRESSURER 18 PSI	\$12E (MU)	~ -	• • •	12	<b>1</b> :	9 57	92	2 2	9	3.3	LMC MED 0

SAMPLE: 289

F.IGHT EP9-D4. ON 24. JAW 79

I SECOND AVERAGENG

INTERVAL STATIFF21846127\*

PARTICLE SIZE DISTRAINS (NUMPER/We-3-MM)

TYPE: RAIN SAMPLE: 283

F\_IGHT E79-84, DV 24, JNV 70

1 SECOND AVERGING

Y HTEVAL STATISSINGLESS

PARTIDLE SIZE PHTINS (NUM 92 8/MOSTAN)

ITPER RAIN

CAL FACTOR: 18.8 PRESSURE 18 2ST M20 FLOW RATER 40 GPM DISTANCE 309 FT

CAL FACTOR	P (MB) 549.6	ALT (KM)	r. 66 8	1646 (5)	9.45-		FROSTPOTAT	49.5		TAS (M/S)	132.9		nt (W#3)	2247154.3		TOTALS	1.136.00
DISTANCEL 370 FT	36Chd	6.246+34	÷	<b>:</b> .		: =	: =	-	-	-	:	<b>-</b>	_				6.10E-91 666
01514	SIZE	•	3		7 2 3 7	2 2	2132	2429	2726	3823	3326	3617	3916	4211	4588		
FL3# RATE1 46 634	C_0UJ	7.206+67	5.53€+87	2.592.67	1017505	7.7.6.06	2.36E+86	1.105+66	7.7 96+65	5.66E+05	2.196.65	1.34E+85	1.145+65	1.255.45	1.12E+05		7.1.7E-C1 120
FL3# R\$	\$126	23	**	25	2		1 2	191	191	201	221	196	26.	9		•	
₩50	SCATTER PROBE	7.53E+88	5.998+89	1.26E+10	1.41.5.18	0743654	7.13646	2.88E+09	3.286+83	2. 82F +09	2,496+89	1.85€+09	2.546+89	175489	1.885+89		2.92E-61 23
PRESSURE: 10 PSI	(f#) 371S	N	•	۰ ۍ	• :	3;	4 2	: =	=		22	56	*	7	. 2	3	0 C3K
10.0																	
CAL FACTOOF 18.6	645 549.4	ALT (KM)	4. 871	75 10 10 1	4.6.6		FROSTPOINT	-18.3		TAS (M/S)	137.0		NT (R/#3)	198 4608.3		TOTALS	1.09E+08 263
DISTANCER 309 FT	98C94	7.195.14		•	: -			•	•	:					-		4.67E-11
DISTA	SIZE	101	5.47	124.1	1540	1035	2132	6242	2726	3023	1320	3617	1914	4211	4568		
10 40 GPM	35.000 00.000	5.996.07	4.295467	1.37506.7	7.245+66	3.665.05	1.755+66	6.7 35+55	5.365.05	3,366+65	2.18E+05	1.346.0	1.215+15	1.42E+15	1.27E+03		124
W MC 7.4 024	STZE (*)	23	;;		102	122	142	161	191	7	12,	3	9	92	£		
	\$2ATTE4 2k39E	9.19E+us	1.25541	1.42E+10	1.29E+18	6.76E+09	7.33€+89	3.698+69	3. 39E+09	68+358*2	Z. 72E+69	1.035.03	6943/1-2	1.232+09	1.046+89	2. 805 -84	23
TEL AT ACHOCOCY	\$12± (MU)	<b>2</b>	• •	•	3	12	1	91	2 7	•	22		9 (	8	2	5	460

SAMPLES	888			3 ICING SPRAY TEST BY AFGL	W TEST	BY AFGL		CAMPIFIE	288	7 7	APPT: TOTME SPEAY TEST BY AFGL	TE3T V	BY AFG.	
	F. 16#	F.IGNT E79-84 ON INFER PARTICLE SIZE (	Z = -	Ze JAN 79 1 SECOND AVER Val Statiszlequis* Istaibuttoms (Mumber/H**3-44) Tybes Rain	1 2 21 84 44 15 3 CNUM BE	24 JAN 79 1 SECOND AVERAGING AAL STRAFIP21844119* (STREBUTING (NUMBER/N+3-44) (YDE1 RAIN	61x6		F.IGHT E	79-84 ON 1 4TE 1E SIZE	F_IGHT E79-84 ON 24 JAN 79 1 SECOND AVER I HERMIL STATTO-2116-628* PARTICLE SIE DISTRIBUTOMS (MUMBEA/4003-M4)	30 MON)	1 SECOND AVERAGING 1120 1120 1120 1120	în 6
PRESSUREL 18 PSI	15 e e 1	M20	FL 34 R	ATE: 46 GPM	01574	DISTANCER 300 FT		CAL FACTOR: 18.0 PRESSURE: 18 PSI		ZO FLOW	HZO FLOW RATES 46 GPM	D1574	DISTANCE: 308 FT	CAL FACTOR
S12E (MI)	SCATTER	ž.ñ	S*2E (40)	CL0J0 P209E	STZF (NU)	PRECIP	0 (HB) 549.7	321 S	SCATTER PPOBE	\$126	CL 043	SIZE	PRECIP PROME	F (18)
•		9	2.0	V 33-14.	•				,				į	
	7.16E+69	60+		3.496467	1	1.142+34	ALT (KM)	~ .	1. 51E+09	۲ روم ا		3	7.48E+84	ALT (KM)
•		410	6.2	3.12E+f.7	140	10.75	0000	•	6.715.69		-	Š	· ·	000
•		+10	25	1.486+07	1241		107 071	۰ ۵	1.500.10	2			÷.	
64		110	102	7.575.05	-	•	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	r (	1.516+10		_	1641	•	
75	6.72E+89	60	123	4.795+1.5	***		10.0	3	1.05E+10	101		153	•	-16.
*		69+	142	To District	24.49		C.00780724	2	2,536,09	77	6.362406	1000	٠.	***********
16		60+	141	1.487.0	24.2	• .	E TOLICON	<b>*</b> (	694367-0	741		2512	•	1011COX
2		F. 7	191	7.916965	2726	; e	7.01	£ ;	2.545.409	[9]	1.362469			1001
<b>52</b>		69+	201	5.492465	1323	: -	TAS (M/S)	9 50	61476	1.1		2002		13/47 211
22		67	221	5.136.45	3325		112.5	000	2 286409	***		4 4 7 0		4.42.
*2		63+	4.	2.435415	3617	:		77.	F0+363*3	747		1617		
97		60+	160	2.915+05	1914		NT (N/M3)	4	2.07F+03	26.0	4.41F+F	4916	;	NT (A/M3)
53		60+	23.3	7.25E+03	4212	9.	2387737.1	2.5	1.246+03		352+6	4211		3361675.8
36	1.396+69	69	20	1.31516.5	4518	•			1.60E+09	303		4508		
3		•					TOTALS							TOTALS
3	1,-200.	17-17		3.14E-01		7.576-12	9-905-01	CHJ	2.586-01		9.316-61		2.285-31	1.16E+80
		n		144		*105	153	HEO 9	23		115		101	136
				,										
SAMPLEI	289 F1 TG#1	46 FT 570-04 TGHT 570-04	"	TOTAL SPRAN TEST BY AFGL	V TEST	BY AFGL		SAMPLE 1	269	166	AFFT; ICING SPRAY TEST BY AFGL	V TEST	BY AFGL	,
			INTERV	AL STARTERS	1 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1 SCCOND AVERAGING	INT		F. IGHT E7	NC 10-6	FIGHT E79-64 ON 24 JAN 79 1 SE		1 SECOND AVERAGING	LNG.
	9.44 9.45	PARTICLE !	10 -21s	SIZE DISTAL WITH SALES (ALCOHOLS AND SALES MAIN MAIN MAIN MAIN MAIN MAIN MAIN MAIN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4/4003-44)			PARTIC	3.15 31	PARTICLE SIZE DISTAIGNIONS (NUMBER/MPF3-M4) TYPES BAIN	12 E	R/H003-H4)	
PRESSURET 10 PST	16 951	450	FLOW KA	Ne9 94 151	315141	DISTANCEL 300 FT	CAL FACTOPE 18.0	18.0 PRESSURE: 13 PST		NO FLOW	HZO FLOW RATES 46 GPM	DISTA	DISTANCET 330 FT	CAL FACTOR!
\$12.	SCATTER	5	SIZE	5.033	STZE	PRECIO	(4A)	3718	SCALLER	3715		SIZE	PRECIP	(88)
(CAL)	180	LLI	<b>Ş</b>	3404€	Ē	Secad	549.6	(PH)	3R39E	5	9403	î	PROPE	549.5
2	1. 31 €+69	634	23	9.625467	+0+	1.065.15	ALT (KM)	•	9.115+09		1.87E+6.8	9	7.345+34	ALT (KH)
•	7.15E+69	69	<b>5</b>	5.936+07	647		4.85.8	<del></del>	1.07E+10	7	-	2 9.9		4.878
n <b>e</b>	1.000.1			7.04.46 °	716	•		•	1.52E+10	29	-	**	:	
	1.006			10965467	1541	•	TEMP (C)	•	1.076+10	95		1241		TEMP (C)
12	5.815+69	9		4444	1750	•	-16.5	13	7. 95E+09	132		1578	•	-16.7
#	6. 16E+	ě		3.0454.6	2132	• •	CONSTONAT	75	6,14E+09	122	_	1635	<b>.</b>	***********
57	2.5364	604		1.902+06	2429	:	1.81-	<b>:</b>	1,765409	1 4	4.040.400	26.29	•	# 10.41 CO 24
26	2.77 €+89	6		9.572+65	2726		•	e = =	2.14E+09	191		2726		•
92	1.045.	5		5.58E+45	1023	:	TAS (M/S)	02	1.42E+09	201	-	3023		TAS (M/S)
<b>5</b>	1.495+69	5 5	242	2.436465	3320	; ;	132.6	22	1.65E+09	122	-	1320	•	132.5
ç2	2.046+	6	26.9	2.275+05	100	•	***************************************	42	1.135+09	192	1.7 45+0	201		
<b>92</b>	1.126+8	5	288	2-12E+05	4211		2975326.1	97	7.805+08		1.505+03	6211	3.015.441	3162700.7
26	1.486+6	5	503	1.30€+65	4538	9.		9.00	8.00E+68	200		4588		
9	2.476	į					FOTALS							TOTALS
O OJE	£2 1	<b>.</b>		1.975.0		6.95E-31	1.725+00	28.7	1. 73E-01		1.066.00		7.62E-01	1.045.10
				1		***	2 + 7	Ato o			/21		607	933

SAMPLE: 208
F.IGHT EF9-06, ON 24, JAN 79
1 SECOND AVERAGING
INTEGNAL STATIFEZISAGEN
PARTICLE SIZE DISTRIBUTIONS (MUMBER/M9-3-MH)
I TPE: RAIN SAMPLE: 206 AFFI: TRIME SPRAY TEST BY AFGL FLIGHT ETG-64 ON 24, JAN 79 1 SECOND AVERACING INTERPRETATE SINGULARIZE PARTICLE STEE DESTAINTIONS (NUMBER/N=3-H4) TYPER RAIN

CAL FACTORE 18.0			1		•	9			THI			2					•	21	10.	139
		2.0.2	A1 T 48			TEMP		•	FROSTPO	-17	i	TAS (M/S)	132	!	M7 CM/M	2189667		ToT	7.46E-01	
DISTANCE: 308 FT	95.0	PROBE	9. 29F+9.	F . 50F+34			3.57Fe11							: =	: =				8.33E-32	62.4
DISTAN	5176	3	164	7 44	446	1241	1518	1835	2132	2429	2776	3823	132 C	3617	4016	4211	4538			
HZO FLJW RATES 46 634	gro-c	PROSE	234386.8	F-555+07	2.7 3E+87	1.232+67	7.295+66	4-1 7E+06	2.235+06	6.+6E+05	4.45+05	3.395+05	1.595+65	2.4 LE + G 3	1.966+05	1.395+05	9.015+64		6.535-61	127
FLOW R	5175	15	2.0	, ,	62		112	122	142	191	191	29.2	221	241	16.0	28.0	3			
	SCATTER	PRIBE	9. L7 E+0A	3.435+09	4.21E+09	2,55E+09	1.835+09	1.00 8+09	8.055+08	4.996+08	6.236+08	4.23E+08	4. 08F+CB	3. 355+68	2.63E+48	1.976+04	1.475008		4. 39E-62	22
PRESSUREI 10 PSI	2112	SE SE	^	٠. ١	··	•	10	15	1	16	=	5	22	24	26	28	30		24.7	460 9
FAL FACTOR: 18.0	9 (4B)	5.9.5	ALT (KH)	4.876		TEMP (C)	-16.6		FROSTPOINT	-17.9		TAS (M/S)	132. 7		NT (N/N)	2187860.7		TOTALS	1.675+00	172
DISTANCE 1 309 FT	PRECIP	PR0 9E	4.44E+34	.,	1.61E+01		9.	:	:	•	:		;	•		3.	;		2.94c-11	もころ
01510	312E	ŝ	404	13	*	1241	1518	1435	2115	5459	2126	10 to	3456	3517	3914	4211	4598			
ITE: +6 6P4	Q.000	3602a	6.4 TE+6 7	4.715067	2.966+67	1 .48E+17	9.34€+36	5.54.546.5	2.59E+86	1-1 7-160	9.975+65	4.5465	4.09:+15	1.74.745	1.24E+85	3.8350.4	7.35E+14		7.715-11	120
NZO FL JW RATES 46	312	ŝ	E¢.	*	63	9.3	192	122	162	<b>1</b> 61	191	111	ij	11	75.0	23.3	303			
	SCATTER	3808c	2.28E+09	1. 61E+18	1.30E+10	A. 64 F + 89	5.32E+19	2.69E+69	2.79€+19	1.12c+79	1-436+49	9.15.+19	0.65E+£3	8.56E+63	B. SvE . B	6. 34E+0	6-435+38		1.17E-61	22
PRESSUPER 10 25T	21X	5	~	•	٠	•	2	21	*	91	2	82	22	2	£	£	2		-	

SAMPLE: 269
F\_IGHT EF9-04 ON 24.18N 79
1 SECOND AVERAGING
ITTERVAL STATT=2144425\*
PARTICE SIZE DISTILATIONS (NUMBER/1449)
ITPOST RAIN SAMPLES 203 PET2 ICING SPRW TEST BY AFGL INTEGRAL SPRW TO 1 SECOND AVERSING INTEGRAL SPRW TEST BY SECOND AVERSING TOTAL SPRW TOTAL SPRW TEST SPRW THE SPRW T

19:0

CAL FACTORS 1	549.3	ALT (KM)	4.673	TEME (C)	-16.3		FROSTPOTMT	-17.8	: i	TAS CHUSI	132.1		EL CELTER	2140272.3		TOTALS 6.92E-01 142
DISTANCES 398 FT	PRESIP PR39E	2.935+14	•	•	1.795+91	1. 89E+31									-	2.16E-31 619
01514	SIZE (MJ)	9	3		1538	1 83 5	2132	2429	2726	3023	3320	3617	3914	4211	4588	
RATES 46 GOY	2,003	6.245+67	4.53E+07	1.325.67	8.552+05	4.86£+66	2.2.E+fb	1.845+66	7.35E+E5	2.28E+45	6.27E+6+	1.39E+65	8.5 SE+0+	5.666+84	5.37E+04	6.308-81
FLOW	S175 (40)	23	5	) C	192	122	2 11	191	191	20.2	122	241	163	28.2	303	
DZH ISG FT	SCATTER PROBE	1.05E+09	T. 64E+69	2.48E+09	1.50E+09	7.84E+00	8.17E+08	4. ×9E+08	5.75E+08	4.02E+08	3.60E+08	2.916+04	2.35E+u8	1.11E+08	1.185.08	3.62E-02 21
PRESSUREI 14 PST	SIZE (MI)	•	. P u	O 40	7	21	14	16	£	20	22	\$2	\$	2	ŝ	LWG MED D
CAL FACTOP: 18.0	5.44.5 544.5	ALT (KH)	D / C • \$	TEMP (C)	-16.5		FROSTPOINT	-17.9	1	TAS (H/S)	132.2		NT (N/M3)	1868764.5		TOTALS 7.895-81 142
DISTANCES 300 FT	PRE31P PR345	2.275+34	• •			•	•		•	•			•	•	•	1. 49E-01 464
01511	\$12E	404	9	1241	1539	1835	2112	5292	9212	3023	1324	191	3914	1124		
NES 46 624	3,003 PR085	19+21-9	7.596.62	1.195.67	5.235.405	3.375.66	1 - 1 0E + E 6	1.1.1.1.00	2.7 4E465	2.55E+C5	1.956.05	1.3 45 45 5	0.30E+64	4.53E+8+	6.15E964	5.56E-81 128
N2O FL 34 RAT	S 1 Z E	٤.	? &	25	132	122	791	191	101	271	2	142	263	2	2	
	SCATTE? PRO9E	1-116-69	5. 66F 6: 0	3.636+69	2-235-69	1.278+89	1. 46.403	6. 735+38	D. 7.9E+61	4. 29E +0.9	6-84E+88		- 200	2. 77E+88	3-116-68	5.97E-62 23
PRESSURES 13 PSI	EZIS (M)	<b>R</b> .	• •	•	6	<b>2</b>	4	91	3 1	R	2	S i	2		ĸ	1 KE

## 1216 SPRAT TEST BY AFS.
PLEAT EP9-0+ ON 2+ JAN 79 1 SCCOOD AFFENCING
INSTRAL STRATT=21 SAATES\*
PARTICLE SIZE DISTRALITYS (44562/\*\*\*3-49) SAMPLE: 200

CAL FACTOR: 10.0 F40STPOTHT 1.86£ • 88 1.86£ • 88 . 1878 847 1911.5 754 (G) 2496782.1 ALT CHANGE DESTENCE: 308 FT 1.335-11 3.335.44 PECT CAL FACTOR : 18.8 PRESSURE: 19 PST HZO FLOW KATE: 46 GPM Management of the control of the con 1.45E-61 13-755-61 F3051201MT 765 (M/\$) 172,2 2187577.6 6 (1 d) 3LT (479) PESTANCES 379 FF 1.610-11 2,166+36 PROPE 420 FL'38 RATES 16 SON 6.44£-41 ALL STATE OF THE S PESSUE! 19 PST

AFFIZ LING SPEAT FEST BY AFGL F.15HT E79-64 DAY 79 1 SECOND AVERGENG I VEPALL STRIP 21 1444230 DARFIZLE SIVE DISTRUCTING (MUNRIQAMONTAM) 544PLE1 249 \$4.5 12 Jan 15

CAL FECTOR 1418 F#051P0ENT 1.25£+98 1.25£+98 162 1,7 (FE) 1E#8 fC) TAS 04/53 2747883.7 ê; DISTACES 346 FF \*. 54E-31 5.38.34 FLOW GATES && 624 1,225 2,035 2,035 乳血の事でするできることになることになる。ままりできるないできないこうなりはくいくなってこれをしまることになっているというなっているというないないないないないないないないないないないないないないないない CAL FACTORS 18.8 BOSSURER 1º 35T 420 1.67E-41 22 \$2477.00 2039E Fanctporm? TAS (M/S) NT (N/19) (4.04) (4.04) 3LT (KM) 4.873 7E # (C) 92578 WOST 785 FF 7. - 45 - 16 GINT AMERICAN TO THE TANK OF THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL And the states of the OSM . Its of about Section €.; .€-{! おおかなりなける これになる ことにはなっている はない こんごにない こんごにない こくこうしょう SCATTER 20386 ~~~~~~~

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AFFI ICING SPRAY TEST BY AFFI.
FLIGHT EF9-84 ON 24 JAN 79 1 55COMO AMERAGIMS
INTERVAL STATICP135112\*
PARTICLE SIZE GUSTBUILONS (NUMBEA/H=+5-NH)
TYPE: RAIN SAMPLE FIGHT EF9-84 ON 24-18H 79 1 SECOND AVERAGING THE STANDARD STANDARD STANDARD STANDARD PARTICLE SIZE DISTRIBUTE (NUMBER/H\*\*3-H4) TYPER RAIL

ALT (88) DISTANCE! .08 FT 7.412+83 PRECIS PROME \$12E CAL FACTOP : 18.8 PRESSURE: 18 PST HZO FLOW RATE: 15 GPM SCATTER PROBE ALT (KM) 6 (#4) 549.6 3.455.14 PISTANCE: 300 FL'TH RATES 46 SPH 2. C \$1?E 420 SCATTEP PROBE PRESSUMEL 18 PST

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FROSTPOINT -17.5 TEMP (C) -15.6 TAS (M/S) 133.1 123535.4 4.87F-32 4 B4 6.9?E-C2 116 6.31E-04 3.20E-04 1.46E-04 1.33E-04 9.24E-02 22 TOTALS 9.25E-01 174 FROSTPOINT -17.7 TEMP (C) -16.5 TAS (M/S) 131.1 NT (N/M3) 1937208.6 6.56E-01 170 れきしまします かごこ ででらまり しょうしょう ちょうしょう ちゃくしゅう サフロ ちゅうりょく とっこう こうこう こうしょう 1.32E-61 23

AFFIZ ICING SPRAY TEST BY AFFIL NO. Z4.JM 79 1 SECOND AFFIRM 79 1 SECOND AFFIRM TO THE STREAM THE STREAM TO THE ST SAMPLE1 29 AFFI IIINS EPRAY IEST BY AFFG.

1 SECOND AVERACING
TYTEPAR STATIONISSILE
PARTICLE SITT DESTRUCTED TO STATE S SAMPLE 29

FROSTPOINT -17.5 1.09E-01 ALT (KM) T45 (M/S) 128.1 NT (N/H3) 321049.0 3.3 2.3 TEMP (C) DISTANCE! 488 FT 1.396+14 PRECIP PROSE SIZE (MU) FLOW RATE: 15 GPM 12.70 13.20 13 9.7%-62 312£ ( 40) 6.8 PRESSURER 13 >ST #20 3.34E-09 7.74F-069 7.74F-069 8.44F-069 8.44F-069 11.86F-09 11.86F-CAL FACTOPS TOTALS 9.49E-02 97 FROSTPOINT -17.5 74S (M/S) 133.5 MT (M/H3) 469286.5 TEMP (C) -15.5 P (##) 550.2 ALT (KH) DISTANCES 400 FT FLOW RATES 15 GP4 5,000 2,005 312E DEESSUGE 18 3ST 420 3.34F2.9 9.94F7.9 9.94F7.9 9.94F7.9 9.94F7.9 1.77F.9 1.77F.9 9.94F.9 1.77F.9 1.03E-01 22 SCATTER PROPE

	FLIGHT ETG-64 ON 24 JAN 79 4 MCCOMP AVERABLES	CHA-E/PENDED SHOULD STEEL STOLLS STOLLS AND LANGUAGE STOLLS S	TYPES RAIM
52			
STABLET 29			
SAMPLES 29 AFFT ICING SPRAY TEST BY AFGL	FIRST F79-84 DA 24 JAN 79 1 SUCOND AVERAGING	CYMPROCENTY WESTATIONS OF MISSING WILLIAMS	TYPES RAIL

Control of the Contro

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•																			
CAL FACTOR		ALT (CCH)	3		TEMP (C)	-19.7		FROSTPOT WT	-17.6		TAS (M/S)	133.1		MT (NVM3)	369727.6		TOTALS	1.616-02	=
DISTANCE: 488 FT	PRECIP	:	<b>:</b>	<b>:</b>	<b>:</b>	<b>.</b>	÷	<b>:</b>	÷	<b>:</b>	<b>:</b>	;	<b>:</b>	<b>:</b>	-	<b>:</b>		÷	-
07574	\$12E (#0)	;	3	į	1921	1530	1635	2112	5459	2726	3923	3320	3617	3914	4 21.1	+588			
HZO FLOW RATER 15 GPM	CL 040 P 1086	1.685+87	1.15€+87	3.485+46	2.365+86	1.256+06	4.296+15	8.735.64	9.688.84	1-386+65	÷	3.116+04	ė	<b>-</b>				8.81E-02	3
FLOW R	S12E (40)	23	•	29	29	201	122	142	191	181	201	223	241	1963	78.9	36.0			
	SCATTER PROBE	2.586+89	5.485+89	4.836+19	2.995+49	1.616+09	1.356.69	1.245+19	7.225+48	5.57E+88	4.546.08	5.22E+88	4. 47E+88	3.50 -10	2.75.+68	2.136+88		5.346-02	22
PRESSURE: 18 PSI	SIZE	~	•	•	•	=	21	<b>*</b>	<b>5</b> 2	2	2	22	2	92	82	30		ž	#ED 3
;																			
CAL FACTORS	P (HB) 550.1	ALT (KM)	4.961		TEMP (C)	-15.7		FROSTPOINT	5.27		185 (4/5)	132.4		NT (N/H3)	428551.5		TOTALS	7.82E-02	%
DISTANCE: +00 FT	PRECIP	ė	: :		:		•												•
02574N	SIZE (MU)	;	3	716	1421	1538	1835	2132	2429	2726	3023	3320	3617	3914	4211	4538			
TEI 19 604	7, 013 2006	2.1 PEPE	1.29€+07								2.33€+84		•	;		•		7.842-62	95
HEO FLOW RETE	S12 E (M3)	23	7	29	61	1,2	122	145	161	191	111	122	241	26.3	982	35.5			
18 - SI HEO	SCAFTER PROBE	3. 425.89	7, 175+89	6. 26 64.9	3.82E+89	3-116-69	1.978.69	1.526+69	8.47.	7.388+88	6.138+69	7.375+68	6.07E+28	3.93F+08	3.65€+04	3. 87E+6A		6, 616-02	25
PRESSUREL 18 251	\$12E (MU)	8	*	•	•	=	21	=	2	3	2	27	2	<b>92</b>	82	2		3	#£0 0

CAL FACTOR: 6.8 F405FP01#T -47.6 TAS (0A/S) 138.5 #T (18/48) 397943.2 TEMP (C) ALT (RES) î. DISTANCES 400 FT CAL FACTOR: 6.8 PRESSURE: 18 PSI H20 FLOW RATE: 15 6P4 3218 SCATTER PROBE FROSTPOINT -17.5 TAS (N/S) 7EMP (C) -15.7 5.855 NT (IL/H3) 4LT (KM) DISTANCE! 408 FT \$12E ertanoengentale ertanongengete engengatione engengatione FLJW RATER 15 GPM 420 DEESSURE 16 25 ~~~~~~~

%

SAMPLES

AFFT ICLMS SPARY TEST BY AFFG.
FLIGHT E79-84 ON 24 AN 79 1 SECOND AVERAGING
THERMAL STATI-22136117\*\*
PARTICLE SIZE DISTABILITIES INDREGTH-95-NN)
TYPES RAIN

SAMPLE 1 29

AFFL
F.ZENT E79-84 ON 24 AM 79
A SFCOND AVERAGING
BATTOLE STATE ST

	;																	
;sec	CAL FACTOR: 6.8	P (MB) 550.3	ALT (RM)	4.159		TEMP (C)	-15.9		FROSTPOINT	-17.6		TAS (M/S)	132.6		NT (N/H3)	236410.6		TOTALS
Test by Afgl 1 Second Averaging 36/28 • Humber/14003-144)	DISTANCES 488 FT	PRECIP PROBE	9.545+88	1.53E+01	÷	-		•		•	÷					•	0.	
7 TEST 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1	<b>91874</b>	SIZE (NU)	7 07	647	3	1241	1578	1835	21.32	6242	2726	3023	3326	3517	1914	4211	4 50 8	
RFFT. ICING SPRAY TEST BY AFGL FLIGHT E79-84 ON 24 JAN 79 1 8:COND AVE TWICKLESIZE DISTALBELZH PARTICLE SIZE DISTALBUTIONS (WUNBER/H903-H91	HZO FLJW RATE! 15 GPM	C. 0UD P208E	7.0 2E+06	5.30E+06	3.595+86	1.25E+66	7.522+05	1.556+05	1.756+05	7.235+04		2.84E+0+	6.245+64	•	9.	•		
AFFT.	FL3W R	S-12E	23	*	29	82	102	122	145	151	191	201	22.1	241	26.9	380	303	
ヹ		SCATTER PROBE	3.97£+69	6.47.6+09	7.11E+09	4. U.RE+09	2.90E+09	1.79€+09	1.585+09	9.045+08	8.83E+08	6. 47E+08	7.115+08	4.935+98	6.14E+08	3. 45E+08	4 . # 7 E + 4 B	
SAMPLE1 29	CAL POTTOR: 6.0 PRESSURE: 16 PSI	SIZE	N	.*	٠	•	9	71	<b>1</b>	16	<b>£</b>	2	2.	<b>1</b> 2	26	5	36	
	9.9																	
1 T G	CAL PECTORS	5 (MB)	ALT (KH)	4.860		TEMP (C)	-15.8		FROSTPOTAT	-17.6		TAS (M/S)	132.5		NT (N/H2)	272393.9		10741.5
6 SPRAY TEST BY AFGL 18 79 1 SEEDND AVERAGING 1877-2185618* MITONS (NUMPER/H+5-N4) RAIN	DISTANCE: 600 FT	PRECIP PROSE				-	•	•		•	:		:	•		•	•	
1 3 1 3 1 3 6 1 1 3 (NUM PE	DISTA	SIZE	101	2 49	7 76	1241	1538	1035	2112	5429	2726	3923	3326	3617	1917	<b>4211</b>	4516	
AFFT ICING SPRAN 6 ON 26 JAN 73 I HERNAL STARTIFE TEE DESTRIBUTIONS TYPET RAIN	ATE: 15 6P4	C. 003 P. 09E	1.+0E+07	7.32E+06	2.35E+66	1,625+05	4.) 3E+05	3.72E+65	4,7 85 + 0 4	4.922404	2.5 uE+t t	2.346464	•					
AFFT; 14TER	HEO FLIM RATES 15	S12E (40)	2	ŗ	29	61	102	122	142	161	181	201	221	7*1	260	283	310	
PLIGHT EP9-D: ON 26 JAN 14TERALL STA PARTICLE SIZE DISTRIBUL		SCATTER PROBE	2.66E+89	5.66E+09	5. 28E+89	3.436+89	2.13c+09	1.536+09	1. B9E+09	6.48E+18	6.35€+04	4. 77 E +38	5.46E+08	3.075+08	4.01E+.8	2.49E+04	2.42E+08	
SAMPLE: 29	PRESSURE: 14 PSI	51 ZE (MI)	•	•	•	•	=	12	=	91	<b>1</b>	8	22	2	<b>9</b> 2	82	<b>9</b>	

1 NG	CAL FACTORS	P (HB) 556.3	ALT (KM)	6.0.0	:	TEMP (C)	45.6		FROSTPOINT	47.6	•	TAS (M/S)			NT CIL/NS)	233669.2		TOTALS	7.196-12	159
EST BY AFSL 1 SECOND AVERACING 6:21. Umrer/m**3-44)	DISTANCET 460 FT	PRECTP PROSE	1.645+33	1.535+01						•		•						;	1.146-02	***
1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S	01511	S12E	764	64.7	110	1241	1538	1675	2132	2429	2726	3023	3328	3617	3914	4.21.1	4506	,		
AFFT2 ICING SPRAY TEST BY AFGL F.IGHT E79-04 DY 24 JAN 73 1 SECOND AVER INTERAL STATIFFE 186121° Particle Size Distributions (Mumrer/Mess-may)	HZO FLOW RATER 15 GPM	CLOUD	1.105.67	6.07E+05	3.225016	1.03E+06	8.132+05	7.P 2E+05	1.46E+05	4.9 2E+64	-			3.4.7E+04	2.46E+04	1.746+64	1.196+04		6.14E-12	113
AFFT 1NT SR SIZE D	FLOW R	\$12E (10)	. 3	£ 3	6.9	8	102	122	142	161	181	202	221	24.1	92	289	388			
		SCATTER PROBE	4.23E+09	6.615+09	7 . 28E+89	3.85E+09	2.75E+49	1.50€+09	1.33E+09	7.67E+08	6 - 29E+118	5.94E+08	5.94E+08	5.94E+86	5.25E+08	3.94.5.08	4.28£+08		7.33	23
SAMPLE 1 29	PRESSURE	SIZ= (MU)	~	4	9	•	97	21	=	<b>\$</b>	18	2	22	*	28	<b>92</b>	æ		CNC	MED 0
<b>PSING</b>	CAL FACTOP: 6.0 PRESSURE: 10 PSI	9 (NA) 950.1	ALT (KM)	4.861		TEMP (C)	-15.8		FPOSTPOINT	-17.6		TAS (M/S)	132.9		NT (N/RS)	305382.2		TOTALS	6 +24E-02	162
EST BY AFGL 1 Second Averaging 1134 1134 1482 R/M** 3-44)	DISTANCES 460 FT	PRECIP	•	.;	•		<b>.</b>	-	•		:	•	•	:	•	÷	÷		<b>:</b>	<b>t</b> a
1 SI 1 SI 1856139 (NUMRE	01514	SIZE	101	249	116	1241	1510	1835	2112	6242	2726	3023	3326	3617	3914	4211	4508			
AFFT) IGING EPRAN TEST BY AFGL FLIGHT F79-64 ON 24 JAN 73 1 SECOND ANSI LITERAL STATTO-21156139 PARTICLE SITE DISTAGATION (NUMBER/MHFT-3-NA)	17E1 15 604	3,333 0405	1.36E+07	8.35E+G6	3.19€+66	1.325+66	1.195+06	5.362+05	2.045.46.2	9.525+04	2.50€+64	2.835+64	:		:	-	•		6 .2 WE - 8 2	201
AFET 1 1758 5175 0	420 FL3W RAT	312E ( 401	23	*	29	93	132	122	145	161	181	201	221	242	268	280	100			
		SCATTER PROBE	2.56E+09	4.85E+49	4. T7E+89	2,562+09	1.545+89	1.04E+59	7.23E+88	5.30E+88	4.28E+48	2. 82E+08	3.516+68	3.172+68	3.375+48	2. 55E+18	1. B&E+88		4. ZZE-02	S
SAMPLE 1 29	PRESSURE: 10 PST	SIZE	~	•	•	•	2	75	<b>:</b>	97	2	2	22	2	<b>92</b>	2		1		

9.9

TOTALS 5.39E-82 102

7,09E-J4 633

5,725-62

LMC 7.59E-02

TOTALS 5.07E-02

5.035-62

LWC 5.49E-02 MED 9 22

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	CAL FACTORS	F (MB) 558-1	467 (69)	÷. 961		TEMP (C)	15.9		FEOSTPOINT	-17.7		TAS (M/S)	132.4		MT (N/M3)	418174.9		TOTALS	1.166-91	
	DISTANCE! 4CO FT	PRESTP PROME	:	-	•	:	•	•	<b>:</b>	<b>.</b>	÷	•	÷	÷	<b>-</b>	<b>:</b>			•	
	DISTAN	SIZE (MU)	;	\$	116	1721	1538	1815	2112	5429	2726	3323	3320	3617	3914	1129	4586			
	HZO FLOW RATES 15 GPM	7, 0J3	2.316+67	1.726+17	7.36E+66	3.62€+06	1.512.06	6.32E+05	3.226+65	7.175+05	7.91E+Ch	2.346+64		•		;			1.16E-61 91	
	FL 3W R	SIZE (4U)	23	£,3	6.3	20	132	122	142	191	191	100	22.1	142	269	783	333			
		SCATTEP PROBE	3.892+89	7.976+69	5.99€+69	3.346+89	2.26E+09	1.336+69	1.205+09	6.916+48	7.12E+08	4.25E+08	6.98 - 118	4.63E+08	4.345+68	3.25€+68	2.9JE+08		6.32E-02 23	
	PRESSURET 14 PST	SIZE	~		•	•	70	12	3	91	18	20	22	\$2	92	23	30		EEC 3	
	9:																			
	CAL FACTOR	P (M9) 558.3	ALT (KM)	4.659		TEMP (C)	-15.7		FROSTPOINT	-17.7		TAS (M/S)	132.5		NT (N/43)	404221.6		TOTALS	7.646-02	
	DISTANCE! 439 FT	PRECTP PROBE						•					;						•	
	DISTAN	S12E (MU)	3	547	12	1241	1538	1935	2132	2429	2726	1823	3355	1617	4 16 1	621.1	450 6			
	ITE: 15 604	CL 040	1.762+67	1.265067	1.545+66	2.2 1E+CE	9.535+85	4.335005	2.325+15	4.92€+64	1.560+65	2.94544	•						7.44E-[2 99	
•	HZO FLOW RATE	\$12E (40)	23		62	61	1.9.2	123	1+2	161	181	17	221	261	16.	29.3	30.0	•		
		SCATTER	4, 356+89	7.055+19	5.496+89	3. 66E+89	1.976+19	1.4.5+69	1.17E+19	6.49E+08	6. 42E+C9	5. 39 + 68	5, 34F + b	4.69E+08	4.21E+u8	4.87E+40	2. 07 E+C8		5.37E-02 23	
	PRESSURE 18 35	S I ZE (MU)	•	9	•6	•	13	12	1	91	5	2	22	*2	26	23	25		3.0	

SAMPLE: 29
F.IGHT E79-C4 ON 24. JAN 73
1 SEGOND AVERAGING
INTERNAL STATT#221956.23\*
PARTICLE SIZE DISTRIBUTIONS (MUNBSA/M\*\*3-M\*\*)
TYPE: RAIN SAMPLE: 29 AFEL SPECK TY 25 AN 79 I SECOND AVERAGINE I TREAT BY AFEL STATE TO SPECK STATE TO SPECK STATE STA

9.1																		
CAL FACTOR	P (48) 551.3	ALT (KH)	4.859		TEMP (C)	-15.9		FROSTPOINT	-17.7		TAS (M/S)	132.5		HT CHURS	5 8 6 6 3 7 . 8		TOTALS	1.166-01
DISTANCES 460 FT	PRECIP	9.	÷	-	÷	;	-	•	-	<b>-</b>	-	<u>:</u>	÷	<b>:</b>	<b>:</b>	:		• •
DISTA	SIZE	3	279	*	1421	1518	1835	2112	6242	2726	3123	1326	3617	3914	4211	4506		
RATER 15 GOW	0,543 9205	2.81E+67	1.666+67	6.416+66	1.198+66	1.60€+05	9.29E+65	2.3 3E+85	1.456+65	1.042.15	2.045+04	3.126+64	-	<b>.</b>	<b>:</b>	<b>-</b>		1.16E-01 97
FL94	\$125	23	۴,	9	82	142	123	142	191	181	281	121	241	26.0	28	300		
02H 15c F1	SCATTER PROBE	2.83E+09	5.76E+89	4.57E+89	2. 63E+09	1.636+09	1. 12E+19	6. 7JE+88	5.66E+08	4.97E+18	4.69€+08	3.94E+88	3.66E+88	3.455+88	2.69E+88	1.736.08		4.63E-02 22
PRESSURE 11 25T	SIZE	~	•	**	•	=	77	*	91	78	82	22	*2	92	82	<b>F</b>		0 1 1 1 1 1
9.																		
CAL FACTOR:	5.855 558.2	ALT (KH)	4.868		TEMP (C)	-15.4		FROSTPOTHT	-17.7		TAS (M/S)	132.3		NT (N/H3)	610517.0		TOTALS	1.22E-01 101
DISTANCE: 400 FT	PRECIE				:			÷				:	-	:	•	÷		
D1514	\$12r (40)	4	547	1	1241	1536	1035	2132	5629	2726	3923	3326	3517	3 76 £	4211	4500		
HE9 ET 1311	C_0U0	2.115.667	1.7 25+67	7.915+65	2.44.6	1.312+66	5.325+65	4.385+65	1.395.05	1.145.65	5.396.84	3.1 36+04	-	•		:		1.226-01
HZO FLOW RATER 15	S12E (40)	£ .	7	62	82	192	122	142	161	191	201	221	742	260	182	2		
	SCATTER PRIBE	4. 87 E+89	7.39€+89	5.96E+89	3-10E+89	2.28E+69	1.356+89	1.15€+19	5.67.6+01	6.57E+88	4, 22 € +8 8	5.19£+88	3.636+68	3.396.68	2.35E+u8	2.07.6+90		5.15E-02 22
PRESSURER 18 PST	\$12£ (M)	~	•	•	•	=	12	4	16	2	2	2	2	92	82	2		

SENT EPG-04 ON EACH SEL	AFFT ICTME SPEC FLIGHT EPG-04 NV 24 JAM 79 INTERNAL STARTES	PAAV TEST BV AFGL 9 1 SECOND A 1*21146125* 045 (MUMBER/4*3-	13 BY APCL 1 SECOND AVERAGING 11 25 ° 11 25 °	¥	SAMPLE 1 3	36A F_IGNT EP9 PARTICLE	4FFT3 -8% 0M INTERV SI7E 0E	AFFT ICING SPAN TEST BY AFG. F.IGNT EF9-10- ON 2- JAN 79 3 S.2000 AVERAGING FARTOLE STREEVE STATE COLUMN (MUNICALMEN)	157 0 1 36 187 189	7 AFGL 5040 AVERAS /4003-1943	ž
TYPES ZAIN RATES 15 GPH	116	Ĕ	PESTANCES ABB FT	CAL FACTOR! 6.8	ISc 61 13anSS3bd		FLOW RA	IYPES RAIN HZO FLOW RATÉS 25 GP4	##1810	OISTANCE: 488 FT	CAL FACTORS 18.8
104) 3803d (04) 3215 CMOTO 3215	H E	3218	PRECIO PROSE	P (NG)	SIZE (MJ)	SCATTER PROBE	\$ 17 E	CL 000	\$12E	PREC 19	950.0
	3		6.542+33	ALT CKM	€0.	7.438.09	23	6.5 75 - 9 7	*6*	1.536+34	ארב נוסט
	<b>3</b>		-:		f vo	1.1.556.18	29	1.395.67	i	. 6	
1.486.16	12:	-	<b>.</b>	TEMP (C)	•	4.67£+89 2.98E+09	12.2	6.96E+C6 4.30E+£6	1521	• •	15.0
2.516+15		è e	::	0 • 6 7 -	21	1. 796.409	123	2,15€4.6	1035	: 2	. !
2.39€+15	213	~	•	FKOSTPOINT	1:	1.76E+69	291	1.1.5.66	2132	<i>-</i> :	FPOSTPOINT
7.275+14	242	o 1		-17.7	9 *	9.67E+68	<b>19 1</b>	7. m. f. e.	9242	. 4	• • • • • • • • • • • • • • • • • • • •
•	342		. 4	145 (4/5)	2	6.885+08	: 5	1.006+15	3623	: :	18/11) \$1.
	332			131.9	22	8.925.408	223	1.956+05	3326	<b>:</b>	124.3
9.90€+1.0	3617				*2	7.096+.0	24.2	5.85E+64	3617	•	•
3.3 2E+B	391	_	:	MT (P/43)	20	8.855+48	9.	4.535.464	36.	ď.	MT (M/m2)
250 15010+24 4241 464 1.475+71 4501	121			274496.0	<b>9</b> (7	7.738+88	229	**************************************	9854		1.2286261
			:	TOTALS	•		•			}	TOTALS
6,36£-12 122			404 404 404	1.135-91	1 E	1.116-01		3,572-61		9.655-32 	4.65E-01
F.IGHT E79-th ON 24 JAN 73 1 5-20M0 AVES 1 "EPALS STREET START FOR 1773 34 FOR STREET STREET START FOR THUM BERTHORS AMEN STREET	1 5 1 5 21 137 134	41.40 - 14	ST BY AFGL 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	<u>ت</u> 3.	SAMPLEE	364 AFET 213146 5P7  1175641 279-84 JN 24 JNN 79  1175641 2132 0174 799730	AF673 -84 04 1 475KV SIZE DE	AFETS TST WEST TO A SPRAY FEST BY AFCL THE SPRAY OF STREET BY A SECOND AVERANCE ON THE STREET BY AFCL TO A SECOND A SECO	1 35 1 35 137136 14UMRE	V AFGL Scalo Averas /4001-44)	9
FL3M RATES 25 GPM 01ST	1510	-	13 8"+ 13CF4T810	CAL FACTOR: 18.8	PRESSUPER 14 2SI		FLOW RE	NPO FLOW RRIES 25 GP4	DISTAN	DISTAUSES SOB FT	CAL FACTOR: 18.8
3115 CD0.2 3115	21S	h	98€;10 9893€	P (MG) 558.7	3115 3115	SCATTER PROBE	412E	5.005 e2085	\$15¢	PRECIP	956.1
	3		1.925.74	ALT (KM)	~	7.076+09	23	5.366+17	;	9.44.543	ALT (KM)
3.436.42	3		ė c	4.854		1.66€+18	<b>8</b> 7 (	4.28£+£7	3	1,516+31	<b>1</b>
8.35505	1247			TEMP (C)	• ≪	1.25£+18 5.51F+18	, ¢	1.34.41 / A.176.6	125		TEMP (C)
3.7%	1536		÷	-15.8	70	4.165 149	133	4.452.66	1530	:	-16.0
	1855			FPOSTBOINT	21	1.595+19	122	2.656+65	1835		Federanter
3.7 3E+65	2429		:	-17.9	91	8.196+08	191	2.966+45	542	: :	47.9
2.305+u5 a.xa6+as	272		•	144 (8/4)	5;	1.075+69	191	2.326+15	2726	ė	116 14/61
6.146+84	332				22	B. 36E+04	22.1	9.272+64	3356		2.42
1.025.05	361	~	ė		*2	8.745+88	2	3.6 16.00	3617		
263 6,27E984 3914 283 1,946+64 4,243	£ 3			HT (N/M3)	56	9.22E+06	563		1916	<b>:</b> .	HT (N/HS)
	5		: •	***************************************	<b>5</b> 無	7.72E+68		• •	1231	::	176654705
3.326-61			1.266-71	TOTALS	2	1:16		3.2 36-01		7.816-74	10fals 3.246-03
101			ţ	£4.	₩ 0 0	<b>*</b>		207		633	707

SAMPLE: 30A AFFT ICING SPRAY TEST BY AFGL FLIGHT EFF-84 ON 24 JAN 79 1 SECONO AVERAGING INTERNAL STATISTISTS 30 PARTICLE SIZE DISTRIBUTIONS (NUMBER/N+3-M4) 179E: RAIN SAMPLE: 38A AFFL ICING SPRAY TEST BY AFGL INTERNAL SAMING AFFL INTERNAL STATES 1 SECOND AVERACING FLIGHT STATES AFFL INTERNAL STATES AFFL INTERNAL SAMING AFFL INTERNAL INPER RAIN

4

19.0

CAL FACTOR:	32:	ALT (KM)	4.057	TEMP (C)			FROSTPOINT	-17.4		TAS (M/S)	153.4		FT (N/R3)	2,1221.5		TOTALS	1.015-01	
DESTANCE! 480 FT	PRCTP PROBE	:		:	-		•	÷	-	•	<b>:</b>	-	:	•	å		:	•
015 T4	\$126	;	3 3	1241	1536	1835	2132	6242	2726	3023	3320	3617	3914	4211	4516			
FLOW RATER 25 GPM	C. 0U0	4.566+87	2.466.487	5.296+06	2.546+06	1.295.06	5.815+05	2.166+85	7.76E+04	1.1 35+5 5	-			;	•		1.91E-01	95
FLOM R	SI7E	23	<b>*</b>	9 60	102	12.2	245	191	191	202	727	142	260	38.3	3,0			
10 asr H20	SCATTER PROBE	6.46€+09	1.52E+10	5.20E+89	3. 435+09	2,136+09	1.895+09	1.17E+09	1.12E+03	5.76E+08	8.57E+88	6.73E+98	1. 0.3E+09	6.24E+GB	6.72E+08		1.096-01	
PRESSURE: 10 PSI	SIZE	~	9 4	o <b>«</b>	97	12	*	15	18	202	27	₹	36	58	g	}	2	HEO 0
CAL FACTOR: 18.8	P (MB) 550.2	ALT (KM)	4.860	TEMP (E)	-16.0		FROSTPOINT	-17.9		1AS (H/S)	134.1		NT (N/H3)	1*67711.1		TOTALS	2.87E-01	92
DISTANCE: 40A FT	PRECTP POORE		ė.					•						•			•	•
DISTA	STZE	4 (24	25.0	1261	1538	1835	2132	5459	2726	3023	3320	198	3914	4211	905+			
ITE1 25 GPH	C_003	0.64E+67	3.+25+67	1.055+6.7	4.31E+06	1.75500	6.345.05	2.396+05	1.545+65	1.35=+ 5	•	3.+ 3E+6.4	•				2.37E-C1	26
HZO FLOW RAT	577E (40)	23	P (		102	122	145	161	191	202				283	900			
	SCATTER PROBE	6.856+89	1.89E+10	5. 98 E+09	3.268+09	1.67E+69	2.04E+09	9.62E+#8	3.425+68	7.23E+08	7.44E+08	6. 92E+G8	9-31E+68	6.76E+08	6.55£+38		1.07E-01	\$
PRESSUREI 18 251	SIZE	~	•	•	97	75	=	91	3	92	22	*2	2	82	3		3	MED D

CAL FACTOR: 18.0 TOTALS 3.83E-01 ALT (1011) FROSTPOINT -17.8 TEMP (C) TAS (N/S) 183.3 NT (WHE) P (MB) 558.3 A AFTI ICING SPRAY TEST BY AFFL FLIGHT E79-64 ON 24 JAN 79 1 SECOND AVERAGING INTERAL STATIO-2187848 PARTICLE SIZE OSSIBLITING (NUMBER/NO-3-44) TYPE: RAIN DISTANCES 408 FT 8.51E-12 484 1.29E+14 PRESTP Posse OF THE STANDARY OF THE STANDAR FLOW RATER 25 GOW 2.36E-01 188 ે. 0⊍3 વ₹08∄ \$12E (40) 1.02E-01 24 SCATTER PROPE PRESSUPER 10 PSI CAL FACTOPI 10.8 FROSTPOINT -17.8 TOTALS 2.78E-01 98 TAS (H/S) 134.0 NT (N/H3) 1292748.9 ALT (KM) TEMP (C) P (MA) 550.3 SAMPLE: 304 AFGL
FLIGHT E79-04 ON 24 JAM 79 1 SECOND AVERAGING
INTERIAL STATISTISTY
PARTICLE SITE DISTALLING (NUMPER/MH+3-MH)
TYPE: RAIN 9.516+98 1.5?E+91 0. PRESIP DISTANCED 4CO HED FLOW RATER 25 GPM 2.77E-01 98 C\_040 STZE (40) 8. 81E-82 24 SCATTER PROBE IS. PRESSURE: 18 SIZE (MI) \*\*\*\*\*\*\*\*\*\*\*\*

SAMPLE: 304

SAMPLE: 34A
F.IGHT EP9-84, ON 24 JAN 79
I SECOND AVERACING
I HTCRIAL STANTIN-21137141\*
PARTICLE STE DISTRADULIONS (NOMER/H++3-44)
TVDE: DATE

SSUME	PRESSUREI 10 2SI	¥20	HZO FLOW RATE! 25 GPM	2 TE	3	4	3151	DISTANCES 400 FT	50 5	<u>-</u>	40	CAL FACTOR: 10.0	10.0
SIZE	STATTER	۵	215		8		4176	ă	9		۵	æ	
Ĵ	PROBE		Ş		P. 09:	111	£	· ·	PROBE		_	5.056	
N	6.52E+09	6	2	M	3.61E+67	46.7	404				1	(KH)	
3	1.45E+14	2	7	~	.72E+07	£04	647	3				4,850	
•	1. [3[+1]	5	9		3	٠,	116					,	
•	4.25E+69	5	8.2		5.32T+66	¥.	1241	CI			TEM	3	
#	2, 72E+69	63	13		35.	9	1578	÷			•	-16.1	
2	1.57.	6	122		9	•66	1935	6					
-	1.716+69	63	7.		2	15	2112				FROS	FROSTPOINT	
16	4.49E+64	5	91		38.	52	242				•	-17.9	
ä	3.45£+63	20	191		125	52	277€						
2	5.056+08	80	201		1	574	3023	5			TAS	(N/S)	
25	3.476+13	r	12.		20	734	3326					132.7	
7,	6.62E+18	•	241	7			3617	6					
92	9.75E+0A	ŝ	26.	ت	_		1914	6			1	(F#.)	
28	4.90L+68	£	3	٠,	_		4211	ů			974	974339. 1	
3	6.432+06	9	101	č			4538	Ġ					
											,-	TOTALS	
<u>.</u>	9.82E-C2	25		Ñ	2017=-11	-:		ċ				2.07E-01	
MEG	24				5				•			•	

SAMPLE: 319 F.ISHT 279-04 ON 24 JAN 79 1 3E2OND AVERAZING INTERAL SARAT "ERSOLGES" PARTICLE SITE DISTALTONS (NUMBER/MAPASAM)
F BY AFGL SECOND AVERAGING 22-149-3-4-1
AFFT ICH, EDRAY TEST BY AFGL 1 SECOND AVERSING 1 SECOND AVERSING 1 SECOND AVERSING 1 SECOND AVERSING PARTICLE STT DISRUBJITONS (WUMFER/40+3-44) TVDS: RAIN
304
SAMPLE: 304

CAL FACTORS	P (MB) 549.3	ALT (KH)	7EMP (C)	FROSTOCIAT	TAS (#/\$) 428.9	137150.6	70TALS 2.14E-01 1978
DISTANCE: 400 FT	PRECIO PROME	9.826+18	6.04 471 6. 7.66E+71 7.68F+91				1.736-01.
01574	3218	35	1241	2429	00 00 00 00 00 00 00 00 00 00 00 00 00	4511	
420 FLJW RSTER 25 GOM	CLOUD PROSE	6.19F+16 2.71E+05	6.87E+05 4.64E+05 4.26E+05	2.58EFE 2.58EFE 2.58EFE	2.925+64 3.215+04 4.		4.15E-0? 128
FL 24 R	\$12E	N F 6	102	747 191 191	22.13.2 2.4.1.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.	262	
	SCATTER PROBE	2.13E+07 1.28E+08	7.27E+08 2.63E+08 1.26E+08	7.81E+07 6.39E+07 A.52E+07	3.55E+07 7.19E+07 2.84E+07 3.55E+07	4.26E+07	5,46E-03
PRESSUREI 13 SST	SIZC	N + W	# F F F F F F F F F F F F F F F F F F F	# # # #	26.25	30	LWC MED D
CAL FACTOP: 18.8	Cat' a	4.859	TEMP (C) -16.0	-17.6	1AS (H/S) 132.8 NT (N/M3)	699371.0	1.81E-81 1.81E-81 133
DISTANCE 6 GO FT	98€318 P839€	6.43f+13 0. 0.		• • • •			4.275-12 404
01579	5126	1138	1538	2136	3320 3517 3517	4211 4508	
NG9 52 1311	5.035 31035	2.105+67 1.312+67 7.16±46	3.3.2E+66		3.30 3.30 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.4	1.31£.04 1.16£+t4	1.785-61 103
420 FL 34 RE	321S	61 3 E	172	191	2223	4.0	
024 Jec 01	SCATTER 3279E	9,16E+88 2,89E+89 1,37E+69	6.59E+88	7. 14F + 0.8 9. 04F + 0.8 1. 50F + 0.8	1.17E+83 1.17E+83 5.89E+87	1.13E+68 5.51E+67	1.31E-C2 28
PRESSUPER 10 35T	512£ (41)	N.⊅ 9	s 22 :	: 22	N 2 20	9£	LNC MED 0

SAMPLE: 389
FIGHT E79-84 ON 24 JAN 79
1 SECOND AVERAGENE
INTERNAL STATE-SESSASS
PARTICLE SIZE OESTGENTIONS (4U40EA/40-5-44)
1702: RAIN SAMPLE: 388 AFGL SP4AY TEST BY AFGL F.IGHT E79-84. ON 24. JAN 79. 1 SECOND AVERAGING INSTANT SPATISTER STATES DISTRIBUTIONS (MUMBEA/Mext-Mu) TYPE: AAIN

DISTANCE: 488 FT CAL FACTOR: 18-8	PECIP P (MB)	74E+83 ALT (10H)	1.14E+91 4-874					.12E+11 FROSTPOINT			. TAS (N/S)	. 129.1		. EL (N/AB)	129142,3			176-91 1.966-81	
DISTANCE	SIZE P	_	m ~3	•	_	_		•	_	2726 0	3323 6	3320 0	3617 6	3914 6	4211 B	4586		-	
RATE: 25 GPM	0.000 93.000	6.186+86	3.295+86	1.536+86	1.165+66	1.555+05	1.536+05	2.40E+65	2.686+64		2.325.64	3.215+64		6.335+63	1.345.64	9.56€+03		3.3 7E-C2	1.16
H20 FLOW R	512E (40)	2.5	3	62	61	102	122	142	191	191	10.	122	241	26.9	783	13			
	SSATTEP PROBE	4.265407	1. 735+88	6.135.08	2.48E+48	1,996+88	1.845+08	1.06E+08	1.55E+07	2.346+47	4. 96E+07	2.135+07	2.13E+07	1.425+07	7.095+06	1.425+47		3.245-03	5
PRESSURE	SI7E (MJ)	•	, 1	• vc	•	01	1.5	3	2	61	2	2	36		28	30	•	)   	M.C.3 D
CAL FACTO®: 18.8 PRESSURE: 18 "SI	P (#81	A1 7 CKE1	10 C 17		TEMP (C.)	-16.7		FROSTOOTNI	-10.4		TAS (M/S)	129.2		F.T. (N/47)	233393.5		TOTALS	4.546-01	2648
DISTANCE: 430 FT	09ECTP	1 025481	A. 275491	6.94F+01			1.945+01	2,365+31	2.19E+31	2, 155+31			2.995+11					4.03E-31	3642
01574)	\$15 (MI)	464	7 4 4	1	1241	1538	1435	2132	2420	272€	3323	1396	3617	101	4211	4508			
47 £1 25 GPW	O 111	10000		7.42F+£6	1 1 15 + 1 6	5.052+85	2.675405	1.93561.5	9.99E+P4	2.37006.	5.93E+L4	7.90E+04						5.16E-t2	11.
HZO FLOW RATER 25	3776	ŗ	1			102	122	143	161	191	201	22.1	2.1	7.5.1	183	200	•		
	, E	407567	7.865408	1.15	1.487+09	7. 37E+BB	3.975469	3.19F+68	2.27 €+0 8	1.77 E+ud	2.125+08	1. 13E+08	7.09E+37	1.175+08	2.535+87	2.83E+07		1.336-02	53
PRESSURE: 18 PST	\$122	•	• •		•	=	: 2	: :	97	=	20	22	12	*	82	25	}	CHC	O LIN

SAMPLE 309 AFFT TOTAL SPRAY TEST BY AFFL FLIGHT ET9-04 ON 24 JAW 79 1 SECOND AVERAGING INTERACTIVE STABLIS\*\*
PARTICLE STZ NETSTBUILDINS (NUMBER/40+3-44)
TYPE: RAIM SAMPLES 309
F.ISHT E79-84 74 24 JAN 79
1 SECOND AVERAINS
I (FEWAL STARTS-2231011)
PARTICLE SIZE DISKATH-2231011)
TVS-2 RAIN

	CAL FACTOR: 18.8	(an) a	2.648	ALT (KM)	4.874		TEMP (C)	-16.6	1	FROSTPOINT	-19.4	,	TAS (M/S)	128.0		H (15/15)	11129.5		107ALS 2.88F-81	8607
	DISTACLE 400 FT	PRECIP	PROSE	9.625+10	1.57e+11	•	<u>:</u>	1.83E+01	-	÷	2.20E+11	÷	2.54.5+81	÷	÷	÷	<b>:</b>	<b>:</b>	1-696-81	2962
	DISTA	3118	OF)	101	3	*	1547	1538	1835	21.32	8242	2726	3823	3320	4617	3914	1124	450		
	RATEL 25 ES4	0.033	PR.08E	6.13E+66	2.39€+16	1.535+86	1.36E+06	4.64E+55	3.+ 45+05	1.20E+05	9.326+64	2.58E+04	•	3,215+64	÷	•	•		1.896=42	111
	HZO FLOW RI	3175	Ę	2.2	,	62	82	102	122	142	191	191	201	122	241	260	288	07		
		STATTER	PROBE	7.615+07	1. +2E+06	3. 63E+08	2.63E+98	1.455+10	1.425+08	3.556+07	8.52E+07	6.39E+07	3.55E+ú7	4.97E+07	7.17E+06	3.555+47	1.42E+97	•	1.678.61	20
	PRESSURE 10 PST	2718	CORD	•	•	•	•	4	77	3	97	87	20	2	2	26	28	2		MED 0
	CAL FASTORE 18.8	P (#B)	549.2	ALT (KM)	4.874		TEMP (C)	-16.7		FROSTPOINT	-10.4		TAS (M/S)	129.2		NT (N/M3)	186727.8		TOTALS A. Res. A.	10074 10074
	DISTANCES 400 FT	010380	36046	2.945+11	4.73E+31	4. 93E+31	1.73E+91	1.03E+31	3.87E+11		•							4.11E+31	10000	***
	DISTA	SIZE	Ú.	7 (7	647	346	1241	1516	1835	2132	5429	2726	3923	3320	3617	3914	<b>6211</b>	4508		
2722	HZO FLOW RATE! 25 GPM	Cho. 2	260≥0	4.115+66	5.685+60	1.146+06	1.665+00	5.142+05	4.13E+05	1.30E+05	2.47=+64	2.37E+f4	2.915+64	•			•		4.345.83	181
	FLOW R	2115	9		*	62	85	132	122	142	191	181	281	22	761	260	280	38		
		SCALTER	P438E	1.052+08	4.25E+08	8.64E+08	5. 66E+08	4.74E+88	1.77E+08	1.63E+08	7.885+67	9.91E+07	8. 50E+C7	4.96E+07	5. 66E+17	2.835+87	2.12E+67	2.03F+07	706-67	50
	PRESSUPER 18 251	517	COM	•		•	•	13	77	*	2	18	2	22	2	<b>52</b>	2	肃	1	EO D

SAMPLE 700		744	APPTO 10 NO METER THAT IS	V TEST 8	A AFGL	376	SAMPLE 1 306	IG FLYCHY FYG.	AFFT;	AFFT: ICENG SPRAY TEST BY AFGL.	1657 87	/ APGL	380
	PARTICLE	I VTE	. 2 2 2	2918 115 (NU48E3	N (NUMBER/tees-M4)	l		PARTICLE	SIZE OI	THERMAL START PEZZ HBILLS PARTICLE SIZE DISTREBUTIONS (NUMBER/MP3-N4) [PPE: RAIN	10116 10116	()-H-E++H.	
PRESSURE 1	H ISc #1	20 FLOM	HZO FLOM RATES 25 6PM	DISTAN	DISTANCE: 408 FT	CAL FACTOR: 10.0 PRESSURE: 10 PSI	PRESSURE 1		FLOW RA	HZO FLJW RATE: 25 GPM	DISTANC	DISTANCES 480 FT	CAL FACTOR: 18.8
S IZE (MU)	SCATTER PROBE	STZE (MU)	CL 00.3	STZE (MU)	P46.01P	2.645 549.2	SIZE (MU)	SCATTER	\$17£ (36)	C. 003	\$12E (MU)	PRECIP	P (18)
<b>N</b> 3	6. 38F+87	23	4-126-06	31	3.41E+30	ALT (KM)	N a	6.37E+66	E S	1.2 SE+67	73	:	417 (1019)
•	8.01648		1.65E+0	*	6.59E+91	•	• ••	5.64E+09	W)	6.585+66	*	•	) }
•	6.815+88		7.57E+C	1241		TEMP (C)	•	4.53E+89	2 8	3.1 8€+0 6	1241	:	TEMP (C)
3	2.915+68		4-125-6	1538	•	-16.6	3:	2.45E+89	775	1.235.86	1936	•	76.6
21:	2.77.548		1.0356	1037	1.985.01	THIOTISTES	21 -	1. 26F409	24.	2000	201		FORSTONET
91	1.21 6+08		7.4324	000	: :	4.8.4	97	6.23E+08	161	1.246+15	2429	:	-10.4
100	1-496+83		A.02E+34	2726	:		<b>8</b> 7	8.00E+08	191	1.506.55	2726	•	
<b>\$</b> 7	6.18E+87			3023	2.53€+31	TAS (M/S)	12	4.34E+88	207	1.176+05	3823		TAS (M/S)
25	9.22 # + 07			3326	÷.	129.0	25	3.475+08	127	3.204+04	3320	•	129.2
2,	5.675487			3617		12777	52.	3.75E408	26.1	3.565+64	196	•	
<b>9</b> 2	1.6456+07			1214	<b>.</b>	10 CHACA	2 2	1.795408			1 2 4		585878. 1
2 5	7.495+86		; ;	4538			; £	1.567+08	3		80	::	
						TOTALS							TOTALS
	7.17E-03		4.27±-£c		1,37E-91	1.80 -01		4.796-02		1.216-01			1.21E-01
#E0 0	2		132		2385	2652	4ED D	20		187		•	111
SAMPLE 369	FLIGHT E79 PARTISLE	3518 37 2718 31	AFFT ICING SPRA FLIGHT E79-64 ON 24 AN 79 INTERNAL STRATTOR PARTICLE SIZE TROET ARIN	PRAV TEST BY AFGL 1 SECOND A 1*27110115* 3MS (MUMBER/MO*3- N	PRAV TEST BY AFGL 9 1 3 5 COND AVEPASING 1°22:10:15° DNS (MUMBER/MOM5-41) N	9	SAMPLE 1 309	19 F.ISHT E79- PARTICLE	14 04 04 04 04 04 014 014 015 015 015	FFT3 FSTW SPRAY TEST BY AFGL F.ISHT F79-04 ON 24 JAN 79 1 SECOND AVER TVIRMAL STARTE-SEABILIE PARTICLE SITE OISTQUITONS (NUMBER/ME*S-M4)	TEST BY 1 SEC 118117* (NU495R/	EST BY AFGL 1 SECOND AVERAGING 0117* UHGGR/HFFS-MH)	9
PRESSURE: 1	H 15c 9T	H50 FL14	FLOW RATES 25 GP4	DISTAN	DISTANCE: 409 FT	CAL FACTOR: 10.0 PRESSURE: 10 PSI	PRESSURE: 1		FL34 KN	H2O FLJW RRIES 25 GPM	DISTANC	DISTANCE: +00 FF	CAL FACTOR: 18.8
STZE	SCATTER PROBE	3218	7,047 P2035	<11E (MJ)	PRECTP PROSE	5.9.3	SIZE	SCATTER PRIBE	\$12E (40)	C. OUD	SIZE (MU)	PRECIB	2 *645 2 *645
~	9.216+87		1.0 35+6	3.63	9.635+16	467 (88)	2	1.185+09	63	2.478+67	;	1.746+13	ALT (KM)
۰ مد	4 - 82E+88		8.57E+C	٠٠. ود ١	1.57E+31	4.873	ⅎ.	3.986+89	۳ (	1.555+07	2 .	3.146.11	4.874
•	1.155+09		2 4 10 1 10 C	124	3.292.01	TEMP (C)	n <b>≪</b>	7.775+69	, c	7.33E+00	126	1.745+31	TEMP (C)
<b>9</b>	6.57E+68			1538	::	-16.6	' <b>:</b> !	4.55E+09	105	2.765+06	1530	3,666+91	-16.7
25	200		7.54840	23.50	• •	FPOCTOCIAL	21 1	2.116+09	15.5	7.525+US	1659	2.B66+81	FROSTPOTET
2	2.345+88		9-305-6	2429		4.004	9	1.28E+09	161	1.24E+05	6242		J. 07
19	2.03E+48		5.346+8	2726	9.		97	1.336+09	181	9.976.64	2726		
<b>2</b> 1	1.356+64		~ (	3823	•	745 (H/S)	200	1.00E+09	; ;	ė.	5053	ė.	145 (H/S)
8 2	1.28F+88		•	3617		12%1	2	5.535+08	177	3.56F+84	3617	: :	149.4
58	7.79E+87			161		NT (N/H3)	<b>52</b>	3.90E+06	264	2-1 85+84	101		NT CM/H31
28	3. SEF-17	100	••• •••	4211 1508	<u>.</u> .	353393.8	<b>8</b> 2 <b>5</b> 2	2.55E+08	26.3 50.0	1.346+01	6211 4500	3.66£+81 8.	639166.1
	1.436-82		7.34E-82		5.05E-03	707ALS 7.85E-17	25	8.10E-02		1.476-01		5.06E-01	TOTALS 6.53E-01 6.23E
	ì		ř		•	ř	2	ř.		ì		****	<b>.</b>

AFT: ICEMS SPRAY F. IGHT E79-84 OF 24 JAN 79 IMTERNAL STRATI-229 PARTECLE SIZE DISTANCIONS	1 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	981:	SAMPLE : 300	<u>.</u> '	APFTS 1	19146 SP4AV 5 JAN 73 5 STATT+222 192 BUTT348	AFFT 1016 SPEAT FET BY AFEL  IGHT EF9-6 OH 26 JAM 73 1 SECOND AVERAEING PARTICLE SIZE DISKERDINGS (WANGEA/WOOS-404)	16196
7 69	DISTANCE 400 FT	CAL FACTOR: 18.8 PRESSURE: 18 351	PRESSURTE 1		FLOW RATE	HZO FLOW RATER 25 GP4	DISTANCES 400 FT	TT CAL FACTOR: 18.8
<b>.</b>	SIZE PRECIP (NU) PROME	P (MB) 549.2	\$12E (NU)	SCATTER PROBE	SIZE (40)	6, 000 9, 00E	36Chd (PW)	7 (10) 950.0
3.516+87		ALT (KM) 4.874	N + .	1.18E+89	22	1.736.07	111	ALT (880)
ar d	966 8. 1261 8. 1938 3.66E+11	TEMP (C) -16.8	P = 3	7.67E+09		3.776.66		16.9 -16.9
<b>.</b>	1435 0. 2132 0. 2629 0.	FR0STP01M1 -18.4	2 4 9	7. 35E+89 1.95E+89 1.36E+99	241 241 221	3.99E+69 5.99E+69 1.73E+64	.0 6242 2872 .0 62872	F4057P01W7
326+0+	2726 0. 3123 0.	TAS (H/5) 128.9	20 20 20 20 20 20 20 20 20 20 20 20 20 2	1,67E+89 1,66E+89 8,13E+88		1.33E+85 2.31E+66 6.39E+66	2726 6. 3623 6. 3324 6.	7.45 (M/\$) 429.5
	3617 0. 3914 0. 4251 0.	762715.5	.+ .s. 90 F	5.65E+08 2.97E+08 2.26E+08			3617 8. 3914 8. 4211 3.656+)1 6588 9.	1 66.3057.7
1.316.61 33	26-181°2 26-181°2	1011.S 1.52E-01	G D3H FNC	1.03F-62 1.9		1.36¢-t1 97	6.51E=11 6269	707ALS 1 5.67E-01 1151
NIEW E3-CH OF THE STATE OF THE	SPRAY TEST BY AFGL 79 1 SECOND AVERASING 11 822181338 17NS (4UMS: 2/4003-M4) IN	9#1	SAMPLE 1 30%	F_IGHT E79. PARTICLE	AFFTS 1 ST	4FT2 ICING SPRAY FEST BI 4 DM 24 JAN 79 1 5EI 1MERNAL 5 JAN 79 1 5EI 1MERNAL 5 JAN 79 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AFFI. TOING SPEAY TEST BY AFFI.  -0+ ON -2+ JAN 79 - 1 SECOND AVERATING INTERAL STRAIN-SEALS SI .  SITE DEFAILSTON SIMUMPER/MARS-44) ITPE: RAIN	* # TWG
HZO FLOA RATE! 25 CPM STZE 5.0U)	DISTANCE: 408 FT SIZE PRECIP	CAL FACTOP: 18.0	PRESSURE 10 PSI	2	H20 FL7H RATE: 25	E1 25 6P4	SIZE PRECIP	FT CAL PACTORS 18.8
2,395+67 2,395+67		ALT (K#)	2 4	5. 56E+58		1986467		Į.
3.41E+06 5.17E+05		TEMP (C)	. 10 to 10	5.00E+09 6.41E+09 2.37E+09		3.32E+66 1.36E+66 1.18E+66		1 1546 (0)
1.26E+66 6.266+85 2.37E+85	1635 8. 2132 8. 2429 8.	FROSTBOINT -18.4	स <del></del> 9	1.35E+09 1.67E+09 5.63E+08		2.38e-05 2.39e-05 5.92e-04	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	F405TP07HT
2,575+84 2,325+84 3,215+64	2726 2.35F+91 3428 8.	TAS (M/S) 129.0	222;	5. 76E+88 3. 66E+88		2.986.94 6.376.84	388 8.526+61 3326 6.	15.45
••••	3617 8. 1914 8. 4211 8. 4508 8.	MT (N/H3) 793925-1		1.69E.06 4.93E.07 7.75E.07		::::	397. 1211 1300 1300 1300 1300 1300 1300 1300	302706.
1.516-11	9.76E-32 2788	707ALS 2.39E-01 134	200	J. 60E-02 10	••	7.166-62	1-205-01	107.4.5 100.4 100.4

AFFT ICIME SPRATEST BY AFGL
F\_IGHT E79-64 ON 24 JAN 79 1 3:COMO AMERASIMA
I 465KAL STRATT-22118124FARTICLE SIZE DISTABULANDEA/M+63-M49
IVPER RAIN'S SAMPLE 1 309 APPTS TOTANS COORY TEST BY AFSL
F.16MT E79-B4 NN Z4 JAM 79 1 3 2 COMD AVERASING
INTERNAL STATISTISTS\*\*
PARTICLE SIZE DISTRBUITONS (NUMPER/M=======) SAMPLE: 388

CAL FACTOR: 18.0 FROSTPOINT, TOTALS 4.08E-82 145 ALT (KM) TAS (M/S) 138.2 MT (M/43) 118664.6 TEMP (C) 1.52 7.52 2.946.31 5.116.31 6.966.61 1.816.31 DISTANCE 1 488 FT PRECIP C.0J3 CAL FACTOPI 18.8 PRESSUME: 14 PSI H20 FLJW KATE: 25 GPM 3.696.00 3.696.00 5.886.00 9.766.00 3.7556.00 3.756.00 1.796.00 4.316.00 4.316.00 4.316.00 4.316.00 4.316.00 4.316.00 5.375-02 117 2.595+64 7.03/4/4/6/4 6.44/4/6/6/7 6.44/4/6/6/7 6.44/4/6/6/7 6.44/4/6/6/4 6.44/4 6.44/4 6.44 2.43E-E4 12 SCATTEP PROBE 888577855555686578 TOTALS 6.67F-01 FROSTPOINT -18.4 TAS (M/5) TEMP (C) -16.6 NT (N/H3) 208415.8 P (48) 546.8 ALT (K4) DISTANCES 400 FT 2.33e+13 4.66e+11 4.91E+11 5.15E+11 .925+31 .025+31 .195+31 .975+11 PRESTA PNESSUPE: 18 PST HZO FLOW RATE: 25 GPM 3.54E+C4 2.53E+C4 1.77E+C4 1.29E+C4 6.592-62 3125 (4U) 3,61E-03 17 7.000 KE 600 Y 8.000 SCATTER 135725554456654N

AFFIZENT E79-04 ON 24 JAN 79 1 SECOUD AFEL ILIGHT E79-04 ON 24 JAN 79 1 SECOUD AFERSING INTERVAL STATIC-22110129\*
PARTICLE SIZE DISTABULIONS (NUMBER/Nest-HV)
TYPES RAIN SAMPLE 1 309 1 FFT3 TSTMG SPRAY TEST BY AFGL
F\_IGHT ET9-04 ON 24 JAN 79 1 SECOND AVERACING
I TEDVAL STATE->21.12.23\*\*
FARTICLE SICE DEVISED-JTJMG (NUMBER/Me+3-44)
TYPES RAIN SAMPLE 1 389

CAL FACTOR: 18-8 TOTALS 6.12E-02 165 F-405TP01#7 TAS (M/S) 138.1 HT (M/H3) 115445-9 P (MB) 549.2 4LT (KM) TEMP (C) DISTANCES 438 FT 1.56E+31 3.27E+91 1.72E+31 0. PRECIP STZE FLOW RATE: 25 GPM 3,26E-02 106 317E (\*U) PRESSUREL 10 351 H20 SCATTER PROBE CAL FACTON: 10.0 TOFALS 1.16E-01 2641 FROSTPOINT -18.4 TAS (M/S) 130.5 ALT (KH) N7 (N/H3) 88316.2 6 (MP) 4 TEMP (C) -16.4 DISTANCES 400 FT 9.70E+10 1.55E+11 3.26E+11 1.71E+01 .33E+31 PRETIP 517E (MU) FLJW RNIct 25 624 21-302-2 3,003 2203E ?215 おしのできてしていることは、 食りのかないになるないにはないないになっていいものかできました。 またまれた ちゅうりょう PRESSURER 16 PST H20 9.788-13 SCATIER PP33E

## ##	CAL FACTOR! 18.8	- (30) 545.2	ALT (KM)	*.0%	TENP (C)		Feographia	• • • • •	TAS (M/S)	129.9	HT (M/H3)	296044.0	TOTALS	1.67E-01 616	<u>u</u>		CAL FACTOR: 14.8	P (259)	ALT (KM)	£. 857	TENP (C)	-16.1	FEGRATERIA	-27.4				1177309.3	Total e	5.50E-01
7EST 8V AFGL 1 SECONO AVERAGE 181258 - NA 98 AN 91	DISTANSER 488 FT	SIZE PRECIP	-	647 b.67E+91 964 3.27E+81	-	•	2132 0.	•	3323 0.	3126 9.	•	4211 G.		1.87E-11 1966			SISTANCE 400 FT	SIZE PRECIP (MJ) PROSE	404 3,536+53				1635 3.77E+81	•	<b>.</b>	2.67E+13	. 6.	121 1.		2.65E-21 3219
AFFI ET9-0+ ON Z4, JAM 79 1, SECONO AVERAGING INTERVAL STARTS-Z5018125* PARTICLE SIZE DISTELBILIDNS (MUNGER/M***="MUN")	FL'34 RATEI 25 GPM	\$12E C_0UJ	23 1.925+67			5.366+65	1.796+63	2.55E+14	5.792+64	3.192+64	6.542+83	296 1.335+C4	212000	7.355-62	AFFT: TOTAG SPRAY TEST BY AFGL F.IGHT E79-6.0N 24. ANN 79 1. SECOND AVERAGING PARTICLE STEE DISTRIPEZINY 22/N=5-44)	TYPES RAIN	FLJW PATER 35 GP4 3	SIZE C_010 S	•		1.21E+57 6.95E+00	3.66E+66	1,595,705	5.75€+69	1.336+05	3.126.64	6.936+04		2.886+84	2.9 5E-61 111
SAMPLE: 388 F.16MT E79-1 PARTICLE	H20	SIZE SCATTER (MU) PROME		4 2.20E+09 6 4.9TE+09	8 3.82k+89	12 1.335+19	15 1.216+09			22 4.51E+86				LMC 4.45E-02	SAMPLE: 31A FLIGHT E79-E PARTICLE S		PRESSURET 19 3ST H20 F	STZE SCATTER (MU) PROBE					12 4.045+19					26 6.346.406	30 6. bie+0.9	LMC 1.83E-01 MED D 22
•	CAL FACTOR: 14.8 PRESSURE: 18 PSI	550.4	ALT (PP)	4.857	TEMP (C)		FROSTPOTNT		TAS (H/S)	1920	NT (N/H3)	983718.7	TOTALS	2.93E-01 123			CAL FACTOR: 14.8 p	P (M9) 550.3	ALT (KH)	4.659	TEMP (C)	-16.2	FROSTPOINT	-17.4	TAS (M/S)		MT CM/M3)	1008264.6	TOTALS	5.38F-01
SPRAV TEST BY AFGL 1 SECOND AVERAGING THRZHESPER THRZHESPER TONS (NUMBER/40+7-44)	DISTANCE: 480 FT	SIZE PRECIPING PROBE	40 4 3.67E+13		1241 0.		32 20 10 10 10 10 10 10 10 10 10 10 10 10 10					900		2.885-32 417	5P4A' TEST BY AFSL 1 SECOND AVERASING 1*21179123* CMS (NUMBER/M**3-44)		DISTANCES 400 FT	7E PROSE	•	547 1.53E+91		78 3.56F+91	. •	91						3.13E-31 3549
AFFT ICIMG SPRAY TE F.IGHT EP9-B4 ON 24 JAN 79 INTERNAL STARTIONS PARTICLE STZE DISTARMITONS (NU	FLOW RATER 35 GPW DI	STZE CLOUD SI (40) PRO9E (N	3.735+67		5.3.45.40.6 3.4.55.44.66	1.375+66	1.546.405	2.855+65	7.57E066	1.14E+0F	6.95E+C+	4.32E+C+		2.545-01 11?		NIST SEGAL	FLOW RATE: 35 GOY OT	\$12E 0.003 \$17E	2.562+1.7	73-316-2	5.926+66	2.35EPL6 9.54FPL3	4.425+65	4.030 +05 	2.46+04	22.1 1.255+65 3320 244 3.276+65 3421	2.2754.4	1.495+04		2.25E-01 103
SAMPLE: 31A F.IGMT E79- PARTICLE	PRESSURER 18 251 M20	S172 SIATER (NJ) PROBE		6 1.235+10	8 1,23E+10 14 7,53E+89		16 3./4E+U9		22 4 665409			30 4.025+10	:	LWC 1.62E-01 MED B 21	SAMPLE: 314 F_IG4T E79=1 PARTICLE (		PRESSURE: 19 251 H20 (	SIZE SCATTER (MJ) PROBE	2 8.96E+08			18 6.65E+889 12 4.35E+69		16 2.61E+09			26 4.962+08	26 to 55E+00		LWC 1,39E-61 HED 0 21

98	CAL FACTOR	936.4	And Tit	1.857	•	TEMP (C)	16.3		FROSTPOINT	.17.5		16/H) \$41	4364	11 (1/42)	1432647.5		TOTALS	4 - 355 - 71	126		247	2		CAL FACTOR		7 (48) 558.5	ALT (KH)	4.856	45.4	116.7		FROSTPOINT	-17.5	19/11/ 371			MT CRAMS)	1025221	TOTALS	5.04E-01	
AFFT; TCIMG SPAN TEST BY AFGL F.IGHT E79-84 ON 24.JAN 79 1 SECOND AVERAGING I (TERVAL, STRETC-21839:28° PARTICLE SIZE DISTRAUTIONS (HUMBER/HOFF)-HM)	DISTANCE: 408 FT	PRECTO PROBE	207277	6.135+93	6.105.01		1.78E+31	-	•	•	<b>.</b>	<b>:</b> .	•		: :		1	5.08E+32	ζ,		BY AFGL From Average	ELON ANTHAM	PARTICLE SIZE DISTRIBUTIONS (NUMBER/NE-3-NA) TYPE: RAIN	STETAMOTE AND ET		PRECIO POJAE	7,635+33	7.62E+01	1.645+01	• •				<b>:</b> •				-	}	7,365-12	
1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	DISTA	SIZE	4.0.4		j	1261	1 53 8	1835	21.35	542	272	3023	35.0	101	4211	450 6					TEST	1491	SWUM BE	ATSTA		STZE (43)	4 6.4	64.7	*		1635	21.12	2429	2726	3328	2 198	307	1124	•		
ICING SPRAN 24 JAN 79 VAL STARTS#21 ISTRIBUTIONS TYPES RAIN	HZO FLOW RATE! 35 GPW	72, 043 P3 09E		19454	1.905+07	8.765+76	4.25E+L6	2,415+66	1.376.06	4.336.65	4-16E+65	2.535+02	4.35.4	774386.9	3.376.6	2.7 SE+C+		3. 3 SE-C1	115		AFFT; ISING CPRAY TEST BY AFGL.	24 J48 /9	ISTRIBUTIONS TYPE! RAIN	MOS SE SOILS ME 19	23 66 111	3,000	7.615+67	4.136+07	1,925457	1004200	2.32E+06	1.315+06	6.362+65	4.425445	9.355+6		1.39E+F	7.385404	•	4.30E-01 113	
4FFT. 147ER S1ZE D	FLOW R	32.5	;	Ĉ.	; ;	9 60	12.3	122	142	191	191	<u>.</u>	127	* *		200					4 PFF	NC 304	21.25	9 77		S12E (MU)	6	'n	29	200	122	142	161	<b>1</b>	724	241	92	290	:		
F.IGHT E79- PARTICLE		SCATTER		1.155.09		1.215418	7.515+89	4.495+09	3.97 €+69	2.512+49	2.72E+09	1.586+09	1.656+09	10001	6.1954.8	5.17E+08		1,716-01	<b>5</b> 1		41	. Teal Ela	PARTICLE	700 01		SCATTER PROBE	1.456+69	5.19E+09	1.345+10	1.332.410	6.93E+99	4.00E+09	2.31E+09	2.565+89	1.905469	1.215+09	1, 436+89	7.036+06		1.895-01	
SAMPLE I 31A	O PRESSUPE:	S12E (HU)	•	7 -	•	0 =	. 5	15	3	15	<b>S</b>	50	2.	* 7	87	20		3	1E1 D		SAMPLE 1 314					S12E (40)	•	• •	•	rà e	12	1 2	1,6	<b>9</b>	2 6	3.5	92	<b>2</b> 5	•	LVC AED 0	
9 2	CAL FACTOR: 14.0 PRESSURE: 10 PSI	558°3	ALT COM	4.659	•	TEMF (C)	-16.3		FROSTPOINT	-17.5		0 613		NT CH/M33	1772532.7		TOTALS	6.635-01	128		9	£				55C.1	ALT (KH)	4.859	17, 0477	-16.7	•	FPOSTPOTAT	-17.5	13/8/ 18/21			NT (N/M3)	21,646,04441	TOTALS	7.75E-01 193	
TE ICEMS SPRAY VEST BY AFGL 1 24 JAN 79 1 24 JAN 79 1 25 JAN 79 1 SECOND AVERATING 1 SECOND AVERALING 1 TPE: RAIN	DISTANCES 409 FT	PRECTO PRODE	5.36.403	** 57E+31							10.425.20		c		9.	3.	:	1.135-11	2442	,	PY AFGL From Average	CALL CALCULATION	DESTAT BUTTONS (NUM PER/HP+3-44)	14 004 15CF#1210		PRECIP Pojar	4.436+34		11.435.00	: :		÷		•	•	•	÷.	• •		2.99E-11 486	
V 7EST 1 3 1 (3 9 1 1 9 (NU 4 88	ATST6	\$12E (MJ)	4	6.4	*	1241	1538	1435	7135	6242	27/2	142	7 147	3916	1125	459					TEST 4	1139113	10 HOLD	0.15 14		SIZE	404	£ .		1538	1975	2135	6240	3323	3326	1617		4538			
TE ICEMS SPRA TEST BY AFGL 1 26 JAN 79 1 SICONO AVER 1 24 JAN 79 1 SICONO AVER 1 26 JAN 79 1 SICONO AVER 1 7 7 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RATE: 35 604	380 % 0000 %	5.3.5+67	7,35E+07	2.45E+67	1.2 45467	7.135+66	2.99E+65	4.3754.0		3+04E+17	1.0256.4	36.+0.	**365*	7.116+64	4.735.464		4.39E-61	60.4		AFFILL DOLLIG STRAY THAT BY AFGL.	VAL STARTIFE	TYPES RAIN	Md9 68 1316a	· · · · · · · · · · · · · · · · · · ·	3,043 22,043	3.9ºE+C7	4.316+07	0.4766	5-115-65	2.5 35+66	1.556+86	1.305+00	2.35641.5	9. * 6. + 6	3.475004	2000000	A.D.C.C.		4.76E-61 120	
4FFT 14TEP 51ZE 0	FLOW	\$12E		, m	25	2	107	123	7 :	<u>.</u>	7 .	,		260	293	393					16 PT	I 44 ER	SI 7E 0	Ft. JH	•	1 (U)	23	. •	. 4	132	123	241	9	707	221	*	707	300			
318 FLIGHT E79-0% ON INTE	02H ISc 01	SCATTER PROBE	1.1754.9	6.53F+B3	1.25E+10	1.33E+10	8.11E+39	4. BLE +09	3. 97 E+09	2. C/ E+1.7	4.745409	1.756+69	1.21E+39	1.146469	SE+C	8.36E+1		11.46.11		•	314 F.IGMT F79.		PARTICLE SIZE	10 × SI H20		SCATTER PROBE	1.175+09	5.045469	1.275+18	7.295+09	4.47E+09	3.87E+C9	2.155439	1.77 6489	1.652.89	1.112.00	5. 725 ABA	6.55€+88		1. 6/E-01 21	
SAMPLE	PRESSUREI 10 'SI	S 12E	~	۰.۰	•	•	<b>2</b>	21	<b>:</b> :	9 :	2 5	22	*2	23	52	3	5	3 5			SAMPLE			PRESSURER 10 'SI		SIZE	~	.e	• «	' 3	12	<b>4</b> :	9 =	28	22	<b>%</b> :	2 6	; R	•		

SAMPLE 1 31A F. 1647 ET9-64 NV 24, 1AN 79 1 S. 1640 BNE DESING THE 24, 1AN 79 1 S. 1640 BNE DESING THE ETAY STATE SEES 1991 56\*

	N: 14.0																		
	CAL PACTOR: 14.0		17 (00)		TEND CC1	76.2	1	THE BOOK SHARE	-17.5		145 (0/5)	132.5		(6/4/2)	7,200.7	•	TOT 44. S	1.27.	173
(Ma-1-44)	015THEE1 400 FT	A CIP	3.675+34	24									: ::				3	2.556-41	4
The state of the s	015Tb	\$12¢	7	ì	1241	1538	1816	2132	2429	*77.	1123	3328	3617	3914	121	785			
Particle site distributions (novaera/mo-1-44) Types qair	HZO FLJM RATES 35 GP4	22. 23.	7.928-67	1.34.C	1.276+17	5.17F+66	2. 38 E 0 B	1.266+6	6.335.6.5	3.6.6.	1.39.15	9.37F+P4	2.90	7 - 2 35 + 6	7.755.6	6.46.46		1.7-34.7.4	116
S17E 01	FLM &	32.58	5.3		-	182	122	2 4 2	161	5	231	121	201	×		12.2	•		
PARTICLE	02H 15c 1	SCATTER >1000E	1-196-69	38E-v9	1. 26. 65	7.46.89	4.525063	7. A7 E+6 9	2. 37 E + 6.9	2.685+63	1.975+69	1.776+4.0	1.245-64	1.215 +69	4.416.60	6. 677 es		1.796-81	52
	PRESSURE: 11	\$175	~	<b>.</b> u	• •	-	2	1 2		:	. 4	2	*	*		; \$	•	Š	#62 D
	CAL FACTOR: 14.8 PRESSURE: 18 PSI	7 (£) %4.3	ALT (RP)	F C	1649 (0)	15.0		F : 05 TPC! WT	~17.5		TAS (M/S)	132.6		NT (M/H3)	1567217.4		TOTALS	1.78i-01	189
1345 (HUTE 2/H005-44) 114	THE STANCES AND FT	#6510 PR0#	1.796+33	10 17C 0 13		,;		:		÷	.;	•;	.;	•	•	•		1.246-12	4:5
	315TM	\$25¢	3	i	1241	151	1435	2132	5+3	3222	270	* 32:	3517	336	.212	157			
PARTICLE SIZE OFSTREMITIONS TEPES RAIN	HZO FLOH RATER 35 GP1	2002	13-326-67	2.235067	134-31-7	6.372.06	924361.8	\$ J+24 F*I	6.272012	3.12205	2.7.5.65	2.195.85	- 1434E - 5	3.655+(+	2.36E.6	3.5.63		F. 375-61	199
9176	7.2 R	£ 5	£.	3	2	197	122	741	161	191	102	.2	1	966	7	33.			
PARTICLE		SCATTER POR	3.872.018	9.295.49	1.126+10	6-7 12-49	67-36-13	3.226+69	2.376.39	2.35:43	1.016 -69	1.7%.63	1.256+23	1.13€+19	6.435.64	5,315+65		1.676-11	12
	15c 91 133055330	\$172 (#5	R) 4	•	•	3	2	3	2	2	z	2	x.	z	82	<b>S</b>		7	

PMESSAMES 19 3ST 420 FLIM ABTEL 35 GEW 71514WGES 43E FT CAL FACTO? 1648 34259WES 13 331 420 FLIM RAIRES 35 GOV DISTRUCES 488 FT CAL FACTOR 1648 Sample: 314 E. Satt E79-ta ng 24. Jan 79 1. SECOND AVENGING THE SATE DISSIPATIONS (NUMBER/MES) 1. SECOND AVENGING THE SATE DISSIPATIONS (NUMBER/MES) 1. TYPE: 4AIN 

	6LT (804)	L 157		TERP (C.)	75.4	}	FP DOTTPOT ST	77.5		745 00/50	1.5.7						MALE	17-3K-1
94.C44	1.495.16				: 3				: 4		_		: -	:.	: .	:		4.76-32 • • • •
\$12£ (40)	ŝ	j	į	1241	1536	1.44	21.32	3	2776	3873	117				1130			
7,003 240%	9.*16067	78.55	2.325.467	1.37E+77	7.2 15+66	2. 20 Fot	1.5 M 0.0	3.145.00	4.346.65	3.1.22.015	. 66 85		7.17		2001600	2.000.2		5.52E-61 111
3718	23		23	· 6	14.2					ž	i					ž		
\$CATTER 2439€	1.876+.9	P. 65F +49	1.168+18	1.175.41	7.195+63	24.5463	3. 785 0.29	2. To F 482	2.5.6.60	1.836.60	7756.0	236.00	1.16.640		B. C. C. W.	5.736.4		1.725-41 21
\$12E (MC)	n		· ur	•	1	; ;	::	¥.	: :	. 7	23	; ;		3 7	3 1	E.	,	7 <u>5</u>
4.855 558.4	ALT (EM)	1:81		Ç ŧ	16.1		POINT	47.5		ŝ	9.2		6	7.	•		746.5	7 Z Z
				۳	•		50.2	•		1 45	-	i	7	174.014		i	9	9.1CE
38C#4 410344	2.352+34		J	3.		:	f. F.05		÷	6. TAS f			C. 11 (7)	3- 174.014				102/2-11 00-1CE
36C8d (fb) dl03ed 32is	2.335+34		: :		•	-	•		÷	-			:			:		
•	7 444 2.332+34		: : i	5 1241 3.	5 1534 1.	i 1975 0.	6 227 ft.	5 2424 6.	5 2726 8.	5 3923 6.	6 732E 8.	3517 4.	. 3914 6.	. 6711 3.			10.20	
(fb) 3218	7 444 2.332+34		: : i	3.362.003 1241 3.	5.762.66 1534 3.	7.305+8a 1935 8.	1.527+(6 217, 9.	7.235.455 2429 6.	3.122.45 2726 8.	2.55£+85 3823 8.	9.37 th +328 8.	5.30505 3517 E.	5.755.6. 3916 6.	1911 3.	A 400 4 410 4		10.20	464
2015 (107) 3ECec	7 444 2.332+34	- +3 + 12. 2. 2.	1 52 2.125.67 946 K.	32 3.362.003 1241 3.	162 5.76±056 1538 3.	122 7.242.64 1975 8.	1 1.2 1.527+(6 2171 9.	151 7.235.45 2424 4.	1.81 3.122.45 2726 8.	231 2,552+65 3823 6.	221 9.377.0(% 132E 8.	201 5.30crth 3517 8.	268 5.75746+ 3954 6.	291 1,774, 1211 3.	8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		10.20	464

CAMPLES 319 AFGL E79-0+ TH ZE JAN 75 1 SECOND AVENASING INTERNATIONS AND AVENASING STATE-2221594PP PARTICLE SIZE DISTRIBUTIONS (NUMBER/NP-19-NUMBER/NP-NUMBER/NP-NUMBER/NP-NUMBER/NP-NUMBER/NP-NUMBER/NP-NUMBER/ND-NUMBER/

CAL FACTOR'S 14.8	P (4R) 549.1	ALT (KM)	4.875		TEMP (C)	-15.4		FOOSTPOINT	-16.9		TAS (H/S)	1.46.0		MI (M/MM)	623116.1	,	TOTALS	2.89E-01	363
DISTANCES 458 FT	PRECTO	2.155+74		•		•		<b>;</b>			<b>.</b>	.:	•		•	•		1,415-31	,0,
DISTA	SIZE	707	249	7 96	1241	1538	1835	2132	5473	2726	3923	3320	3617	3914	4211	4598			
H20 FLJW RATER 35 GPM	3,0JJ P333E	2.485+47	1.976+07	6.345+66	3.352+(6	1.245+66	5.1 4E+C 5	4.535+65	1.435+05	2.572+6+	•	1.245+55	7.4 3E+5.4	3-3+6-6	4.29E+L4	3.345466		1.48E-F1	120
FLOWR	3176	23	,	79	95	102	122	7*1	191	191	201	22.1	1 %2	263	280	490			
	5CATTE2 22795	4.926.48	1.926+09	3.435.09	2,335+69	1. 41E +03	5.94E+08	4.325+08	2,66E+G8	2.25E+08	2.535+86	1.915+08	1.375+08	1.37E+6.9	8.195+67	4.785+07		2,395-02	
DRESSUPER 13 251	SIZE	•	•	4	•	7	12	1	16	18	:2	7.5	24	: 2	28	R		7 16	MEJ D

	CAL FACTOR: 14.8			1000	(KE) 145		True (C)	A 1991		FE DE 1807 MT		,	TAS CHISI	411.2		MT COVERS	45 45 45 45 45 45 45 45 45 45 45 45 45 4		70741 6		10 mm
	TSTANCE: 400 FT	PRECTP	PROBE	£.486403	0.436463				: -						: =	: -	: -		:	4.26E-12	404
	71S TAN	SIZE	5	7 67	244	446	1241	4 5 4 5	1 3 4 5	21.32	26.29	2726	1023	3326	3617	3916	4211	4.50 B	•		
	FLOW GATE: 35 GPW	CLOU3	P409E	6.59.407	4.3954.7	2.01E+07	8.7.75+6.5	3.246006	1.466466	8.42465	4.36E+4.5	2,596+05	1.415+05	0.22E+C4		6.+ BE+G 3	1.1554.14	1.162+04		3.7 35-61	93
	FLOW 94	S12E	₹.	2.5	, pm	62	8.2	102	122	142	151	181	201	22.1	145	263	28.0	197			
	02H ISc 01	SCATTER	2R08E	1.175469	5.63£+09	9.375+69	6,365+09	38E+09	1.56E+09	1.22E+89	7,212+08	7.79E+68	5.98E+ù8	5.642+06	4.25E+u8	4.47E+38	2.61E+0A	2. 61E++8		6. +1 L-02	77
	PRESSURE! 10 PSI	<b>211S</b>	(MC)	8	•	un	•	ij	12	*	16	13	20	22	*2	92	28	30		OM.	HEO D
	CAL PACTURE 14.0	p (#8)	548.9	ALT (KM)	4.678		TEMP (C)	-15.5		FROSTPOINT	-18.9		TAS (H/S)	173.8		NT (N/HZ)	1027525.5		TOTALS	4.32E-11	273
	DISTANCET WOO PT	PRECTO	PR0 4E	2.69€+14		•		•	•	•	;	<b>ن</b>	:	•	•			•		1.376-11	101
	110	SIZE	€	404	2 49	446	1241	1578	1935	2132	5246	2726	3023	732C	1617	3914	4211	4538			
•	11 23 673	0 <b>00</b> -0	340¥c	4.275+67	2,595+67	1.40E+C7	5.525460	2.5 JE+06	1.145+6	6.185+65	2.39€+65	7.745+0.4	1.412+15	6.196+64	3.44.4.6	43+36+*4	5.77E+f4	5.1.75+±4		2.42E-61	138
1		S12=	ĝ	23	*	62	61	102	122	142	161	191	23.1	12.	261	263	293	30 )			
		SCATTER	2808E	8.52E+68	3.926+69	6.13E+09	3, 90E+89	1.81E+49	9.836+49	8-21E+08	3.905+68	6.31E+88	2.46E+u8	3.42E+08	3. 01E+C8	2.946.48	1.16E+Cd	1,445+08		3.73E-02	22
	PRESSURE A	SIZE	SE.	~	•	•	••	2	21	*	91	13	<b>92</b>	22	2	<b>52</b>	<b>53</b>	38		3	MED 0

SAMPLE: 318
FELGHT E79-CL ON 24-JAN 79
1 SECOND AVERSTURE
TVICKVAL STATT\* 22115151\*
PARTICLE SIZE OUSTAUMS (MUMBEA/M\*\*3-M4)
TVPE! RAIN SAMPLE: 319 FFG. SPRAY TEST BY AFGL F.IGHT ET9-04 ON 24 AN 19 1 SEGON) AVERASING INTERVAL STATIVEZALSILBY. PARTICLE STE OLGALAUTIONS (NUMBER/1947)-44)

CAL FACTOR: 14.8	7 (15) P	ALT (KM)		TENP (C)	15.00		FROSTPOTET			TAS (M/S)	138.1		MT (M/MT)	444786.B		TOTALS	192
DISTANCE! 4CO FT	PRECIP	2.255+34											: =		: 4		**************************************
JIST	S12E (MU)	3;	3	1247	1538	1635	2132	2429	2726	3823	3326	3617	4 101	121	8 6 5 4		
420 FLJW RATE1 35 GP4	380 % 31 003	6.395+67	1.365+07	8.742+46	9 3 + 5 + 5 • 4	1.956+06	1.165+06	6.486+65	4.15E+05	1.766+05	1.566+65	3.46E+04	3.352+06	4.9.75	4. 3 3E+04		120
FL 3# R	\$17£	23	20	£1	102	122	142	161	181	201	122	241	26.0	28.0	200		
	SCATTER PRIME	1. 77 €+09	1,25E+18	8.45E+89	4.12E+89	2,10€+09	1.935+09	8.59€+0.9	9.47.	7.48E+68	7.566+08	5.64E+48	5.50E+08	3. 02E+68	2.61E+08	7. 946 -02	12
PRESSURER	SIZE (MJ)	N 4	• •	•	10	12	<b>.</b>	15	<b>8</b> 7	20	25	*2	<b>52</b>	23	20	9	#E0 0
TAL FACTOPI 14.0 PRESSURE: 13 PST	0 (RB)	ALT (KP)		TEMP (C)	-15.6		FPOSTPOINT	-18.9		TAS (M/S)	133.6		NT (N/M3)	1440657.2		1074LS	164
DISTANCE 439 FT	PRESTP PRS9E	2.935+34		•	;	:	:		:		•		;	•	•	1.338-01	101
DISTAN	S12E (MJ)	404	446	1241	1538	1835	2132	2429	2726	3323	3320	3617	3914	<b>4211</b>	4508		
Ha9 62 1311	21.0JJ	6.376+17	1.3.5+77	7.31E+L5	2. 33E+£6	1.+0.6+13	7.54E+L5	3,35€+15	1.552+65	1.37E+63	1.86E+65	43+36g·9	5.295+64	4.765+64	3.5 3€+64	3.185-01	187
420 FL3# R11E1 35	S12£ (10)	23	9	25	101	122	1:42	161	191	201	122	**	26.	289	300		
02h 15¢ €1	SCATTER PROBE	1.59E+09	1.01 6+13	6.75E+19	3.22E+89	1.335+89	1.456+09	6-16E+88	6.78E+98	5.14E+68	5.68E+18	3. 49E +08	3.046+68	2.47E+68	1.645+08	5.77E-12	12
ISe ET IEUNESEE	512E	<b>6.</b> 03	•	•	2	21	<b>:</b>	97	2	7	27	2	92	2	<b>R</b>	1	460 0

The second secon

SAMPLE: 319 AFF1; ICING SPRAY TEST BY AFG. F.IGHT E79-84 ON 24 JAN 79 1 5ECOND AVERAGING INTERVALS STATI 1-2215984 PARTICLE SIZE DISTREGUIOUS (AUMIDEA/HH)
SAMPLE 310 FIGHT EPG-B4 ON 24 JAN 79 1 SECOND AVERAEING TYPERAL STATT 22115157 PARTICLE SIZE DISTRUBLICAME 2/M*3-H4)

	CAL FACTOR : 14.	2.0%	ALT (KH)	<b>7.01</b>	TEMP (C)	-15.		FROSTPOINT	110.7		TAS (M/S)	133.0		MT (M/43)	1286128. B		TOTALS	3, 44E-01	111
	DISTANCES 400 FT	PRECIO PROSE	**************************************					-	ě		-	•		•		: •		4.266-12	409
	01514	SIZE	3	3 3	1241	1539	1835	2132	2429	2726	3323	3326	3617	3914	4211	+538			
TYPES RAIN	FLOW RATE: 35 GPM	C_ 003	6.905-67	1.055.07	9.23E+36	3,355+66	1.445.36	1.182+66	4.0 % 6.00	2.185.05	9 - 95 - 54	1.25E+85	3.465+64	2.12E++4	1.305+14	1.162+64		3.326-01	101
	FLOW R	SIZE	53	29	8	175	12.2	745	191	191	211	22.1	241	163	233	30.3			
	02H 1Sc 81	S:ATTER PROBE	1.175.09	7.595+89	3,785+09	1.86E+89	1.02E+09	9.61E+08	4 . 89E+G8	6.12E+08	3,746+08	3,65E+08	2.29E+18	3.935+38	1,45E+39	1.59F+08		6. 29£ - UZ	12
	PRESSUREI 18 ºSE	SIZE	~ :	• •	•	87	12	*	16	<b>5</b>	2	22	\$	92	e.	33	•		460 0
	14.0																		
	CAL FACTORS 14.8	P (#8) 548.7	ALT (KM)	:	1E#P (C)	-15.5	***************************************	102150. L	1.01	13/77 311	(4/4)	123.0		( E / N )	1,45,201.0		5, 785-81	28.	
	DISTANCE! 466 FT	PRECIP PROSE	3.836+34	:	•	<b>.</b>		•	•	•	•	:.	•		•	•	1.305-11	101	2
	DISTA	\$12E (MU)	***	346	1561	1534	1 1 2 5	757		217	200	1361	191	3314	1124	4598			
I YPES RAIN	NE1 35 GP4	5,013 PR08E	7.182+87	2.195.67	1.082+07	*,7 BE + B 6	1.375.00	3.105.60	20 20 C 4 E 2	6142667	1.905.62	200100	0.9629[+	5.47 F F F	4.155.404	5.+2€+6+	1.712.F1		
-	HZO FL 3H RATE!	\$12E (40)	23	62	25	201	12.	7 .		191	T C	7	*	£ ;	£.	3			
		STATTER PROBE	1.935+69	1,265+10	6. 49E+19	4.68E+89	1.99E+89	10.00		9.07.00	6342469	0.175.00	6. 85 408	5. 625 +68	2, 736+118	2.55E+68	4 446 - 112		13
	PRESSURE: 18 351	S12E (MU)	~1 4	•	•	2	21:	::	2:	2 8	Ç:	2.	2	e.	2	<b>7</b>	4		

SAMPLE: 313
F. 194 DW 24 JAW 79
F. 196000 AVERAGING
INTEVAL STATI-22115155
PARTICLE SIZE DISTREAGING (MUMPER/We-3-44)
TYPE: RAIN SAMPLE 833 FETS FORM 24 JAN 73 1 SECONT AVERAGINT THE STATE OF STA

CAL FACTOR: 14.8	7.68) 7.60.7	ALT (KM)	TEMP (C) -15.7	FROSTPOINT -10.6	TAS (9/S) 132.0	1403130.2 1403130.2	6.80E-01 169
DISTANCE: 400 FT	3403d	2.16E+34 0.		:-::		:::	1.626-01
OIST	SIZE	7.5	1241	2429	3023	1121	
HPO FLOW RATER 35 GPM	C_000 0408£	5.38E+07 3.29E+07 4.24E+07	5-39E+E6	5.42E+15 5.53E+C> 2.34E+0>	1.97E+03 1.97E+03 1.84E+63	5.00E+64	3,465-01
FLOW R	\$126	6.3	207	12 12 12 12 12 12 12 12 12 12 12 12 12 1	10. 22.1 24.1 24.1 24.1 24.1 24.1 24.1 24.	200	
	SCATTER PROBE	1.296+19	2. 316+89	6.69E+08	4,645+88 3,725+88 2,765+8	9.65E+07 7.59E+87	3.67E-02 19
PRESSURE: 14 3SI	SIZE (MU)	R . <b>2</b> . a	• • • •	1422	ឧឧ៩៩	<b>88</b>	U E E C
CAL FACTOR: 14.0	6,68.8 546.8	ALT (KM) 4.788	7£4F (C) -15.8	FROSTPOINT -18. 7	TAS (M/S) 132.8 NT (M/H3)	1569157.7 TOFALS	5,59E-01 174
DISTANCES ACO FT	PRESIP PPSBE	2.91E+)4. 0. 0.		 		::	1.91E-11
91574	\$12E (40)	:33	124: 153# 1835	21.32	3923 3920 3914	4511 4588	
1TE 8 35 CDM	2,0UJ 2203E	6.31E+87 *.19E+67 1.342+87	3.272+66 4.452+65 1.742+86	1.825+06 3.1.85+05 4.165+05	1.76E+05 1.36E+05 9. 2.31E+04	5.326.64	901 18-36-£
HZO FLOW RATER 35	\$12 E (40)	23 64 73	12.2	191	221 241 241 241	23	
	SCATTER PROBE	2,066+69 8,096+69 1,226+10	7.22E+69 3.72E+69 1.71E+39	1.69E-09 6.13E-09 A.20E-08	6.45E+68 7.50E+88 5.65E+88 4.55E+88	2.55£+88 2.62E+68	7.315-62
15c #1 13an\$538d	\$12 <u>5</u> (MU)	~ + 6	* 7 7	<b>33</b> 5	2 2 2	22	

. AFG. .000 AUTRASING 	TISTANCER 490 FT CAL FACTOR: 14.0	PRECIP P (MBS)	2.61£+64 ALT (RN)	6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6	J. TEMP (C)		n. renettener			(S/#) STI	136.	C. ET (E/RM)	1.92069.9		1014LS 1-717-71 6-72F-81			IST 87 AFGL 1 RFCDBD BAFBAGTUR		4++ 3-44)	DISTANCES 438 FF CAL FACTORS 14.8			1.48E+)4 ALT (KH)	4.601	TEME (C)	-15.6	FRANKT	W	;	145 (M/S)		I. NT CEVES!	1002.000.00	101ALS	
1 TEST 67 1 SEC 21,5198* (NUMBER/	715 TANC	312E	;				2112					1914	1124	÷236				1651 8V	11 51 53 *	CHUM BERV	91874408		(A)	404	5.44 P. 44	1241	1538	1835	6242	92.2	3320	3617	16.	1174	-	1
AFFI ICING SPRAY TEST BY AFGL F.IGHT E79-84 OH 24 JAH 79 1 BECOND ANERSTING I HISTNAL STARTY-22115990* PARTICLE SIZE DISTREBUITOMS (MUMBER/M**3-N4)	HZO FLJW RATE! 35 GPM	STZE C_0003	23 6.126+07	67 6.265467			42 7.35F+86			01 9.58E+C4	_	_		73+525-7 00	3.415-61	112		FIGHT F79-MG ON 26 188 70 - 1651 BY AFGL	TERVAL STARTIFE	TYPER RAIN	HZO FLOM RATER 35 GP4		01 0203		43 2.53E+87	_		22 1.34E+75			21 9.35E+E+	_	13+36+51	300 2.666+84	1.386-01	196
F.IGHT ET9-84 PARTICLE SIZ		SCATTER ST PROBE (1	1.176+09				1.297+199			S. OUR TEG				1. % [ • 10 5	5.24E-02	2.0	•	43-643 TM31-3	* I	PARTICLE SIT			3609E (40)			7.596+09		1.77E+09 1.96E+09			6.34E+AB 2:		4.65E+UR 2(		7.02F-62	58
SAMPLE 319	PRESSURER AL	577.S (UH)	~		•	3 (	2 2	16	21	2 6	3 2	<b>9</b> 2	<b>5</b> 2	33	CHT	MED 0	;	111111111111111111111111111111111111111			PRESSURE: 15		100	~	• •			2 4	91	21	3 2		2 6	. F	9	MED 0
e a a	CAL FACTOR: 14.8 PRESSURE: 10 >SI	(64) o	ALT (KH)	•	TEMP (C)	-15.7	FROSTPOINT	-16.6	(9/8/ 9/1			NT (N/M3)	1.52616.4	107415	2,005-01	114		180			CAL FACTOW: 14.0 PRESSURE: 13 751	6 (MB)	¥60.7	ALT (KM)	1.00.1	TEMP (C)	-15.6	FROSTPOTNT	-18.5	196 (8/6)			1246427.5		TOTALS 2.82E-81	100
SPQAY TEST BY AFGL 73 1 SECOND AVERASING 71* 2215.555* 170* S. 140* S. 140* 170* S. 140* S. 140*	JISTANFE! 400 FT	SIZF 346C79 (NJ) PROBE	40 4 6.502+13	944	1241 9.	1538 J.	132 0.	.p. 624	2726 0.	326 3.	1617 0.	1914 C.	4211		4.275-12	909	1984 VO 1983	79 TEST DE MICHELLE	41514	TOWS (NUMBER/Mees-mas) IIN	TISTANCE! 400 FT		(4J) PROBE	404	96:		576 0.	2132 0.	-	725 6.	_		211	4506 D.	. 0	•
AFFTZ ISING SPRAV V 104 ON 24 JAN 73 INTERNAL STATIFZZ 15 SITE OISTAISMING (M	RATE: 35 GPM	5,033 #208£	4.516.07	1.538+07	6.7 PE+06	3,115+05	7.485405	3.1 35+15	1.522+05	1.125 . [4	30075060	2.12E+C+		1.1057.	2,456-01	101	* >460 × 57 505 c 15351	24 JAN 79	RVAL STARTIFEZZIS	SISTRIBUTIONS (N IYDER RAIN	ONTER 35 GPM	0,000	360 %	4.796+37	1.525.667	6.386+66	90430502	6.376465	3,366+65	2.546+65	1.245+05	1.775+85			2.925-81	168
F.IGHT E79-84 I Particle Si	H20 FL3W	STATER SIZE	1.045.09 23				7.725+68 142							<b>.</b>	3.736-02	21		F. ISHT E79-0+ 04	INT	PARTICLE SIT DISTREBUT	PST H20 FL3W		(Ph.) Shoba	1.09E+09 23				6.25€+08 1.2		2.48F+88 781			•		3.296-02	19
SAMPLE 319	PRESSURE: 18 251	3215	~													MED 0	CAMD: C. 119	•			PRESSURET 10		3		* &									_		0

SAMPLE: 324 1FFD 161MC SPRAY TEST BY AFGL F.IGHT 279-06 ON 24, JAN 79 1 SECOND AVERASING Interal State Paints of Desire the State Desirem Samus PARTICLE SIZE DESIRENTIANS (MUNDER/MORSAMA)

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19.0																				
CAL FACTOR: 18.0	(#b)	4.055	ALT (KH)	4.857		TEMP (C)	-16.2		FROSTPOTAT	-17.3		TAS (M/S)	133.0		NT (N/M3)	2553704.9		TOTALS	8.895-01	133
DISTANCES 448 FT	PRECIP	PoldE	7.245+93	1.52E+11	9									ď					*.82E-J2	406
71514	SIZE	ŝ	404	647	116	1247	1538	1835	2135	2429	2726	3023	3320	3517	3914	4211	4598			
MSO FLOW RATES 45 GPW	Cr.C.,	34.035	7.495+17	5.84E+07	3.425+67	1.512+17	9.235+16	5.35E+85	2.35E+bó	1.30E+rb	9.335+(5	4.5 3€+65	2.185+65	2.125+55	1.395+65	1.545+05	9.355+84		8-415-61	129
FL3W R	5715	Ē	2.3	ņ	29	26	132	122	1.2	161	141	7.	:	*	960	180	305			
	STATTER	PRJBE	17 6+49	4.70E+09	1.246+10	1.11E+10	6.46E+03	3.602+49	4.81E+09	1.26E+69	1.45[403	1.06€+09	9.15E+(8	7.295+48	7.29E+08	4.20E+08	5. 36£+ù8		1.15E-01	51
PRESSURET 10 'SI	3718	Ş	٨.	,	9	•	2	15	2	91	<b>\$</b>	50	22	<b>*</b> 2	9:	•	2	!		MEJ U

eraging 4)	FT TAL FACTORS 18.8	\$*855 258*5	11.	11 4.656	Ţ.	11 -16.5	1910019001	-17.2		TAS (M/S)	133.0	NT (N/HZ)	2478345.2		101PLS		ERBS ING		FT CAL FACTOR: 18.0	P (#8) 550.6	ALT	4.654	II TEMP (C)		***************************************	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1	TAS (M/S)	132.9		2423772.4			D . 1
1 BY AFGL 32COND AV 36 BER/4003-41	DISTANCES 400 FT	F PRECIP	1-166+94						-					:	10000	877	F BY AFGL SECOND AVE 37° BE974443-4		DISTANCES 409 FT	PRESIP PROME		7 1.225402		_		•				: -	::		1.295-01	•
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	018	S12F (MU)	707	7 7 6	1241	1546	1.555	2429	272	3023	372	100	4211	163			1 1391 12 12 1391 1391 1391 1391 1391 13		DIS	412E	104	4	1261	1548	1635	646	2726	302	332	101	4211	. 50		
AFFT3 ICING SPRAY TEST BY AFGL FLIGHT E79-84-94 24-31AN 79 1. S.COND AVERAGING PARTICLE STEE DISTRIBUTIONS (NUMBER/HFF5-NH) FYPES RAIN	HZO FLOW RATES 46 GPM	CLAUD 0409E	7.695+87	5.395+67	1.665+07	8.395+66	4.455+65	1.165+66	7.00E+F5	5.665+55	3.116+05	1.53541.5	1.595+15	1.136.65	7 7 6 5 10 10 10 10 10 10 10 10 10 10 10 10 10	125	AFFT: IGING SPRAY TEST BY AFGL F.IGHT E79-04 ON 24 JAN 79 1 SECOND AVERASING TYPERALS STATT-21:391330 PARTICLE SIZE DISTAULTINS (NUMBERMES-444)	NIES KAIN	H2O FLOW RATES 46 GOM	3,043 2,043	8.10€+07	5.596+07	1.72F+L7	9.15E+06	5.456+06		7.816+65	3.36E+C5	3.43E+05	3.405.405	1.356+65	1.256+05	8.715-01	134
1444 10 90 0 3218	FLOW R	S12E (40)	23		98	703	221	191	191	291	7	7 6	183	300			AFFT -04 ON TYTER SIZE O		FLJW R	S12E (10)	23	m e	2 C	201	122	7	191	20.7	127		23.0	100		
ď		SCATTER PROBE	1.466+03	8.39E+03	1.76E+10	1.156+10	5.63E+09	2.12E+09	2,136+69	1.36E+09	1.435409	1.15569	A 12E+08	8.67E+18		1.095-01	PAFICLE		02H ISc 01	SCATTER PROBE	1.466+09	7.66E+u9	1.385413	8.26E+09	3.75E+09	504344	1.77E+09	1.17E+09	1.16E+09	0.74E+00	5.588+08	5.786+08	1.41	7.
CAMPLE: 32A	PRESSUPE: 10 PST	S17E (HU)	60	or it	•	10	27	* 9	3	9.2	22	* 4	98.	EF.	5	460 0	SAMPLE: 32A		PRESSURFI	SIZE	8	•	0 «	2	77	\$	9	202	22	* 2	2 t2	30	200	MED
ING	CAL FACTOR: 18.0	650°4	ALT (KM)	4.857	TEMP (C)	-15.3		-17.		TAS (M/S)	132.9	(FR/H)	2 - 25766.0		TOTALS	130	INS		CAL FACTOR: 18.0	4 (4P) 6	ALT (KM)	4.857	10.00	-16.5		NIODISOAL		TAS (M/S)	132.7		2049245.8		0.19E-01	123
PRAV TEST BY AFGL 9 1 550000 AVERAGING 1*21379134* 1*21179134* 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DISTANCES 4"9 FT	PRECIP	7.305+93	1.525+11			÷.	• •	: :			• •				4.335.736	SY AFGL SOOND AVERAG KAMP#3_44)		THE BUD RECNERED	36CA9	5.195+13	3.956+11	•		•	•	•		•	÷.	• •		3.48E-02	e o
PP4V TEST BY AFGL 1 SECOND 4 1 P 21 879134 * 3N S (NUMBER/N®+3-	DISTA	SIZE	404	647	1241	1538	1835	2720	2726	3023	320	2017	4211	+59.8			765T : 1 3 :		11314	S17£	704	245	1100	1534	1635	2132	2726	3023	3326	3617	4211	4538		
TOTAL SPRAY 24 JAN 79 VAL STRATITY 21 ISTRIBUTIONS IYPER RAIM	HZO FLJW RATFI 46 6PM	C. 0J) P103E	1.322+08	5.50E+07	1.755+67	1.740+67	7.255+06	3.2464.0	1.16210	₹.36£+6.5	4. 16E+05	1.7.35+15	1.542.05	1.115+05	,	4.19E-L1	FLIGHT E79-64 ON 24 JAN 79 I SEOND AVERAGING PARGET I SEOND AVERAGING I SEOND AVERAGING PARTICLE SIZE DISTATOMET (NUMER/N®*3-14)	TYPER RAIN	RATES 45 GBM	SL093	9.115+0	5.35€+€	3+14104	9-265+6		2,775	7.3654	4.545.4	1.365.6	34-36 4-1	6.37E+0		7.35E-01	119
48 PH 147 PH 147 PH 15 PH	FL3# R	S125 (40)	61	#^ 6 → 1	2 4	133	127	1 4	161	2.1	22.1	741	74.3	13.9			164 ON 1 415R		FL 34	3173	23	*	3	10.2	122	25	181	201	22.1	,	23.9	13.		
PA AFFT: ISING SPR F.IGHT EPG-64 ON 24 JAN 79 INSERT ENTER SIZE SIZE STREEDITION		SCATTER	1.332+09	6.69E+09	1.467+10	8.83£+69	4.695+69	6.035.409 2.035.409	2,0354,3	1.236+03	1.346+09	1.012+09	5.535+43	7.716+58		1.575-01	A FLIGHT E79- PARTICLE		02H ISd ft	SZATTEŘ PROBE	1.45 [+03	8.66E+09	1.835+10	5.93E+89	4.92E+89	4.74E+09	1.3/6.489	1.395+09	1.476.09	1.015+09	1 - 2 5 E + U 9 6 - 4 8 E + 6 6	7.51€+48	1.736-01	12
SAMPLE 1 32A	PRESSURE: 18 251	S125 (HJ)	€1	* 4	0 =	5	15	<b>.</b>	2 2	2	22	₹.	96	8	!	0 0 3 4	SA4PLE! 324		PPESSURE: 1	SIZ= CMU)	8	•	<b>.</b>	r 91	21	<b>≛</b> ∶	5 <b>5</b>	62	22	2	2. 2. 2. 2.	2	28.7	MED D

	11.1																			10.0															
1	CAL FACTOR: 18.0	2:5	ALT (KH)	4.057		(2)		FROSTPOTUT	-17.2		TAS (M/S)	772.	11/4/1 12	2477534.4	:	TOTALS	1.156 +08	171	¥	CAL FACTOP: 18.8	Œ.	%1.s	ALT CKM)	f: #56	TEMP (C)	-16.4	COCTUNITIES	17.7	1	TAS (M/S)	4-2 <b>4</b> 7	WT (M/HE)	2409677.6		1.74.4 1.14.4 1.14.4
257 87 AFGL 1 SECOND AVERAGING 846° MREQ/4003-44)	OISTANCE: 688 FT	PRECT9 PROBE	2.07E+94	1.535+92	1.617.01	1.695.1	1.776.01	-	•	<b>:</b>	٠.	<b>.</b>	: =	: :			1.966-11	9;	AFFTC ISING SPARV TEST BY AFGL AFFTGAT EPS-SA JAN 79 1 SECOND AFFAGING PARTICLE SIZE (TRAIL TATTO SA 1991AG PARTICLE SIZE (TRAIL SA 1991AG 244003-MA)	DISTANCES 448 FT	PRESIP	P4096	1.295+14	1.225+12	1.686.91	1.786+31		: :	:=	<b>:</b>	: -	: -		:	1.076-11
1 1EST 1 2 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3	OIS TA	\$12E	;	3	į	1241	1936	2132	5459	2726	3023	3 1 2 4	3	4211	458 6				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	01514	3218	Ĵ	;	1	12+1	1540	1835	24.2	2726	3053	3356		151	•	
APPT: ICLMS SPRAY TEST BY APGL FIGHT E79-84 ON 24 JAM 79 1 SICOMO AMER STITEMES STATIONS (NUMBER/N=05-84) TYPES RAIN	HEO FLOW RATES NG GPM	2002	7.325017	5.365.07	2.865+77	1.505.407	4.1/E+C0	2,726+36	4** 75+65	9.5 36+15	4.545.45	5.336+65	2 2 76 6 (1)	A 14 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	1.716+05		9.5 44 1	163	AFFIC 10146 SP444 TEST BV AFGL 1472441621139646 1472441621139646 PARTICLE SIZE DESTAINCE (ALMPERATOR) AVER	M26 FLOW RATES 46 GPW	3,000	j€0 }e	702.67	5.246+67	1.5 LE+07	9.152+16	5.785+56	1.546.66	1.316.05	3.506.05	4.3%C+1.5	1.746.65	1.896+05	4.526+84	8.5 9E-01 131
14 04 14 504 14 504 1 1 1 50	FLOW R	\$17E	6	,	29	2	757	1	191	181	102	7.	1 4 6	- T	20				AFF13 84 34 1415RN STZE 08	FL0# RE	\$11E	\$	23	33	8	101	12.2	191	191	207	1 1	36.	289		
FLIGHT E79- PARTICLE		SCATTER PROBE	1.156+89	6.015+09	1.295+19	1, 105 +10	2.79:419	2.8254.9	1.196+09	1.345.489	9.16E+88	4.90E+88	7.2154.0	S. British	4.75€+08		1. 396-11	21	FLIGHT ET9-		SCATTER	7R.19E	1.196.89	5.37E+69	1.855+18	5, 627 +69	2.75€+89	1,315+09	1. 32 € + 09	9.845489	9.36E+08	6. 47F 48.8	4-136-08	4. Z7E+88	1.05E-01 21
SAMPLE 1 32A	PRESSURE: 18 PST	3218 (M)	~		•	• (	5.2	: ±	97	<b>5</b> 1	82	2 6	* *	2 6	2		21	469 0	SAMPLE: 324	ISc fl tionSS3ed	SIZ	(OM)	~	.* vi	•	3	21	1 9	5.	2	22 6	<b>.</b> .	58	<b>3</b>	U NED O
y	CAL FACTOR: 18.8	6 (18) 558.5	41.5	4, 856		TEMP (C)	-10.5	FUOSTPOINT	-17.2		14S (#/S)	1.2.1	11 (11/11)	2439140-7		TOTALS	9.872-81	150	SWI	CAL FACTORS 18.8	( mm ) d	550.4	ALT (RM)	4.857	7E4F (C)	-15.4	CONCTENTAL	-17.2		TAS (H/S)	132.0	W. ALCHAS	2+27482.2		101 FLS 1.27 E+0 0 169
PPAY TEST BY AFGL 9 1. SECOND AVERAGING 10 23 170 139 UN S. KHUMPER/WR03-44)	VISTANCES 489 FT	PPECTP PRONE	1.726+34	9.155.01	•		. 50. • 51	: :				٠.	•	• •			1.375-11	*25	PRAY TEST BY AFGL 1 SECOND AVERSING 1021810179 105 (NUM FE P/MO 5 = 41) N	DISTANCES GOOFT	PRECIP	Pegal	2.255+14	2.275+12	6.756+91	F. 362+31	3.775491	• •		÷	; -	: -	6		2.936-81
-AY TEST BY AFGL 1 SECOND A -21174135 - 45 (NU4FER/FFFF)	7ISTAN	S12c (40)	404	ż	į	1541	125	2132	5429	5726	3023	3.27	101	1211	4.96				PAY TEST BY AFGL 1 SECND A POLITYP NS (NUMPER/NOTE)	91S14	3718	Ĵ	,	24.5	1241	1530	1835	2429	2726	3023	1 320	3 0 0	+211	4588	
AFFT ICING SPEAT- B4 ON 24 JAM 79 IVTEDWAL STARTS 21 SIZE OISTATBUTING STATE RAIN	151 46 GOM	2003 203E	6.716+07	5.94246	2.887+1.7	1.556+67	6.155.66	2.776.60	1. 342+66	1,125,65	3.595.65	4.375+05	3.9.7.6.	2.446.6	1. > 2 = + C =		8.452-61	133	AFFTO TOING SPRAY ON 24 JAN 79 ATGRAE STARTIFOL TO DISTRIBUTIONS TYPES RAIN	TES 46 COM	2.333	96 29E	7.216+17	29+341-3	1.665.67	3.772065	5.54E+06	1,322+6	9.52E+15	6.24€+(5	5.6.35.6.55 2.8.85.6.5	2,215+85	2.3864.3	1.525+65	9.156-61
AFFT3 14 24 14 25 11 17 20 25 11	FLOW RATE!	STZE (30)	2	, gan	25	21	123	1 2	191	193	2.1	2	147	7					4FFT3 64 04 1 dterv Si75 06	FLOW RATES 65	3215	Ş	23	Ţ.;		193	15.5	161	191	201	12.	1 92	283	6	
FLIGHT E79 PARTICLE	420	SCATTEP PROBE	1.415400	6.735+89	1.542+10	1.275.10	6.765+69	3.136469	1.156+09	1.32F+63	156 +69	1. [ 2E + P 9	7.315.45	1.75Fed.4	6.635+08		1.226-01	21	48 1541 F79-84 04 74 144 77 1544 154 154 154 154 154 154 154 154 15	H20	FINITES	36C8c	1.275+89	6. 816+09	1.07 6410	6.986+39	2.845+69	1.41E+99	1.285+69	8.21E+66	9.356+68	6. 45F+3A	3. 52E+00	3.86E+88	1.646-01
SAPLE 1 32A	PRESSURE: 18 2SI	S 1 2 5 ( MU)	•	4 3	<b>م</b>	•	e (	3 .	4	18	82	22	Ž,	2 2	<u> </u>	1	2	MED 0	SAMPLE 32	PRESSURE 18 247	212	9	~	<b></b> ∨	n «	<b>.</b>	15	1 1	2	2	2	<b>.</b>	<b>.</b>	=	1 2 2

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CAL FACTOR 18.0 CAL FACTOR 18.8 FROSTPOINT -17.1 FROSTPOINT -17.0 TOTALS 1.09E+00 161 TAS (M/S) 133.0 TAS (M/S) 132.9 NT (N/43) 2227371.4 TEMP (C) -16.4 NT (N/HE) 2084368.7 TEMP (C) ALT (KH) P (48) ALT (KM) A AFFT ICING SPRAY TEST BY AFGL FLIGHT ET9-84 UN 24 JAN 79 1 SECOND AVERAGING LITTERAL STATINGSTRANGER/MONTA/MUMBER/MONTA/ A AFFIC ICING SPRAY TEST BY AFGL F.ISHT E79-04 ON 24 JAN 79 1 SECOND AVERGING I AFEVAL STATE-ZA199945\* PARTICLE SITE DISTRIBUTIONS (NUMPTR/W\*\*)-44) DISTANCE: 450 FT 1.69E+82 5.69E+82 6.43E+31 0. 1.79E+31 .136+11 1.92E-01 PRESIP PROSE OPF JOSEPH JEST STANSTONE SIZE SIZE (MU) FLOW RATE: 46 6PM FLOW RATE! 46 GPM 7.00E-C1 128 8.59E-01 135 C. OU. C\_ 343 SIZE (-#U) STZE (4U) PRESSURER 10 PSI H20 PRESSUPER 18 951 H20 1,32E-01 22 SCATTER PROBE SSATTER PROBE SAMPLES 324 SAMPLE 1 324 STZE (MU) 42222222222222 CAL FACTORE 18.8 CAL FACTOPE 18.0 1.35E+00 1500 FROSTPOTAT TOTALS 1.29E+00 FROSTPOINT -17.1 ALT (KH) TEMP (C) -16.4 TAS (M/S) 132.3 PT (N/M3) 2368246.5 P (#8) 550.6 ALT (KH) TEMP (C) -16.4 TAS (H/S) NT (N/H3) 2376197.8 P (MP) 550.7 A AFFIL FING FPRAY TEST BY AFFIL FILGHT F79-64 ON 24 JAW 73 1 SFFON) AVERAZIMS INFEKAL STATIMENT 119943\*
PARTLOLE SIVE OLSTARDATIONS (NUMPER/M\*\*3-M4)
IYDER RAIN AFGL SPRAY TEST BY AFGL FLIGHT E79-84 ON 24 JAN 79 1 SICOND AVERAGING INTERNAL STATIF-2139142\*
PARTICLE SIZE DISTREBUITONS (NUMBER/H++3-44) PESTANCE 1 400 FT DISTANCES 4.0 FT 3.93E-11 1943 2.36E-31 404 2.135+)1 4.56E+)1 3.146+74 PRECIO PRECIP PROSE SIZE (MU) S12E HZO FLOW RATE! 45 6P4 FL34 RATES 46 624 9.456-41 127 2, our 3,000 9303E STZE PRESSURES 13 PSI H20 1.11E-01 21 SCATTER PROBE SCATTER PROME PRESSURE: 13 PSI SAMPLE: 32A SAMPLE 1 324 

A SA

SAMPLE	### ##################################	E79-64 I CLE SI	ON 24 TERNAL ZE DISTA	184 73	1 3 1 2 1 3 1 4 5 1 4 6 1 6 1	IGNT E79-84 OW 24 JAN 79 1 SECOND AVERAGING I (IERVAL SERTI +22159446 ** PARTICLE SIZE DISTABLITONS (NUMBER/H+++3-M4) I PPER RAIN	îne	•	F.IGHT ET	INTER INTER SIZE D	F.IGHT E79-84 O4 24 JAN 79 1 SECOND AVERAGING INTERNAL STATISTISSES. INTERNAL STATISTISSES. INTERNAL STATISTISSES. PARTICLE SIZE DISTALBUITOMS (MUNDEA/Me+7-M4) IVPER RAIM	1 2 1 2 2 4 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	ECOND AVERAGE 4/H**1-N4)	146
PRESSUREI 18 PSI		H20 FL9W	ON RATE! 46	M45 6PM	DISTAL	DISTANCE: +60 FT	CAL FACTOR: 18.8	. D PRESSURE	15. [1	FLOW R	HZO FLOW RATE! 46 GPM	01574	DISTANCES 400 FT	CAL FACTOR: 18.8
S 1 2 g	SCATTER PROBE		S17E (18)	01.0JD	\$12E	PRECIP PROSE	P (MB) 550.7	S 12E	SCATTED PROBE	\$72E (MU)	C. 000 0309E	\$124 (ME)	PRECTO PROBE	P (88)
N 2 W	1.68E+09 9.73E+09 2.13E+10			7-135+07 5-365+07 3-266+07	101 101 101 101 101 101 101 101 101 101	1.1?E+74 6.12E+71 0.	ALT (KH)	N .+ W	1.336+69 9.L1E+09 2.036+13	E # €	7.26E+4.7 4.69E+87 2.81F+87	724	9.015+33 1.385+92 A.BEF+81	ALT (KM) 4.853
- # <u>7</u>				1.395+07 9.495+06 4.385+06	1241	1.63E+11 0. 0.	TEMP (C) -16.4	4 4 4		£ 60 c	7.916.06	1241	3.59E+34	7EMP (C) -16.5
24:				555+66	2429		F 20STF01MT -17.0	***		1191	2.065.00	2132		FR0STP014T
2222			221	1.865+65 2.995+65	3923		7AS (H/S) 132.4	1881	1.53 F + 69 1.53 F + 69 1.63 F + 69	22.2	5.71E+05 1.98E+05 2.19E+05	3923	2. 5.1E+73.	TAS (P/S) 1*1.9
23° %				1.835+1.5 1.50E+15 1.155+0.5	3914 4211 4538	: ; c	NT (W/HZ) 2428667.2	26.2		240 360 303	7 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	3914 4211 4516		NT 6M/H33 1996170.5
460	1.945-01	-4	9.3	35E-C1 125		4.15E+12	TOTAL S 8.86E-91 134	E E E	2,64E-01 9 21		6.54E-01 123		2.67E-31 1737	1074LS 9.20E-84 165
FLISE 10 SEAUSESPA	FLIGHT E79. PARTICLE 58 10 9SI H20	CLF SI H20 FL	FLIGHT E79-04 JN 24 JBN 7 INTERAL STRAT PARTICLE SIZE DISSERBUTE INDER RAITE 46 6	STATTS E STA	1 5ETONO B 1 5ETONO B	9 1 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	INS CAL FACTOR: 18.0	23 32 S	3	1 (TER	FLIGHT 279-04-04 24 JAW 79 1 SECOND AVER 1 1 SECOND AVER 1 21 21 21 21 21 21 21 21 21 21 21 21 2	1 35 143 143 143 143 143 143 143 143 143 143	1 SECOND AVERAGING SOLAS AUTOER/MATERIAL AUTOE	1865 1867 1867 1867 1867 1867 1867 1867 1867
\$12 <u>5</u> (MU)	SCATTER PROBE	<u>د</u> د	17E 5.	3_0JD	SIZE	PRE310 PR34E	P (MB) 551.6		SCATTER PROBE	317.2 (M)	21.0JD P209E	\$12E (4U)	PRECIO	7.055
N 4 40 4	1.63E+89 9.62E+89 2.13E+18		623 7	7.77E+6.7 5.23E+6.7 2.35E+6.7	1000	1,466+34	ALT (KM) 4,854	N 4 C		6.4.3	6.32E+07 7.31E+07 2.54E+07	1116	9.755+33 6.58E+31 6.815+91	ALT (KH)
9 27 7				3.47267 9.392676 4.362465	1536	1.795+31 7.59E+31 1.93E+31	16.4P (C) -16.5	15 14 00 12 14 00		82 102 122	1.50E+07 7.52E+06 4.31E+65	1241 1538 1835	1.69°+31 3.96€+31 8.	7EMP (C) -16.5
799				13E+66 13E+66	2429	0. 2.15E+J1 0.	FeoSTPOINT -17.0	19 91 19 81	6 - 69E + 89 2 - 44E + 89 2 - 38E + 89	16.2 16.2 18.1	2.78E+G6 1.11E+G6 9.37E+R5	2172	÷ ; ;	F 405 <b>TP</b> 01 <b>u</b> T -16.9
222	1.69E+89 1.61E+89 1.15E+89			4.50E+05 3.77E+05 1.75E+05	3023 3320 3617	2.49F+01 9. 0.	T4S (M/S) 131.7	2.2		221	4.33E+03 3.44E+03 9.4 SE+03	3820		TAS (N/S) 532.5
26 28 30				2.336+05 2.376+05 1.526+65	791 6 4211 4588	d	NT (N/H3) 2389268.7	26		7: 7: 2 6: 40 E	1.916+05	100		MT (M/M3) 1096061.4
247 247	_			133		3.016-31	1.19E.00 1.19E.00	HED O	_		7.50E-01 137		9.766-12	107 ALS 8.56E-01 119

CAL FACTOR: 18.8 CAL FACTOR: 18.8 FROSTPOINT -17.8 F40STPOTHT -17.8 ALT (100) TEMP (F) TAS (M/S) 129.2 NT (M/43) ALT (KM) TAS (M/S) 129.2 7.03 7.03 7.63 TEMP (C) AFT2 ICING SPRAY TEST BY AFGL F\_ISHT E79-84 ON 24 JAN 79 1 SECOND AVERAGING INTERNAL STATIFESSTRESS PARTICLE SIZE DISTABALIZING (NUMBER/H0-83-44) AFFICING SPRAY TEST BY AFFILE FIGHT ET9-04 ON ZE JAN 79 1 SECONT AVERAGING INTERPRETE PRATE PRATE PRATE PRATE SPRAY TO PRATECLE SIZE DESTABILITIONS (NUMBER OF MENSAME)

TYPES RAIN i 1.492+15 7.19E-31 1.035+85 .. 64E+91 PRECIO PRECIP DISTANCE: 400 DESTANCES 4º0 3218 ちょうよりとりらうらう あきてっていき ちょうしょう こくごう えんに 医性 ちゃか ちゅうこう ちょうしょ ちゅうこう ちゅうかい かりか をとまる ピンフェー 317E FLOW KATER 46 GPM FLOW RITES 45 GRM 1.176.0. C\_005 2.000 2.03E \$175 3218 (MU) 383222222222 PRESSURES 18 PST M20 PRESSURER 10 PSI H20 SCATTER PROBE STATTER 2008E SAMPLE: 329 S 7 2 2 321S なられていいれていいはない。 CAL FACTOR 18.5 CAL FACTOPS 18.8 TOTALS 1.19E+0G 174 8LT (KH) FOOSTPOTNT FROSTPOINT -17.5 0 1.63.0 7EMP (C) 1 45 (M/S) 129.7 NT (N/M?) 649.5 9LT (KM) TEMF (C) 145 (H/S) 129.3 FIGHT E79-84 DM 24 JAM 79 1 SECOND AVERACING FIGHT E79-84 DM 79 1 SECOND AVERACING THE PARTICLE SIZE DISTIBULIONS (NUMBER/M+3-M+) TYPE: ANIM TEST BY AFGL
F.1GHT F79-14 JN 24 JN 75 1 3ECOND AFFRE
TYPEPAL STATISTEZIATISS
PARTICLE STYE DISTRIBULIONS (NUMPER/NEWS-44) 7,215-)1 464 4.035+74 1.356+15 PRECIP PRECIP DISTANCE: 4-16 DISTANCED 460 3175 SI7E FLOW RATES 46 6F4 FLOW BSTER 46 62M 8.595-61 2,033 7,000 PR08E 121 5125 3176 420 OZH ISc fl IEdDSEFO 1. 54 1. 74 1. 6. 746 6. 738 6. 738 6. 738 6. 696 SCATIEP 2879E SCATTER PROSE 15e 91 SAMPLE 1 329 血いられて はななって ロトラミン こっこう こうしょう はいななないないない。 PRESSURE

SAMPLE 1 329

SAMPLE: 329

TOTALS 1.96E+00 310

9.82E-11

9.7%-01

2.24E-81 21

99

707ALS 2.03E+00 274

1.13E+68 123

1.616-01

NT (N/M3)

NT (N/H3) 3583656.3

¥	CAL FACTOR: 18.8	(H)	ALT (KH)	£. <b>1</b> .4	TENP (C)	-15.9		17.50 F		TAS (H/S)	128.7	WT (W/MT)	4424336.5		TOTALS	692 309 · 1	ç	CAL FACTOR: 18.8	-	2.9.8	ALT (RP)	4.877		-15.9		FROSTPOTNT	• • • • • • • • • • • • • • • • • • • •	TAS (M/S)	128.9	wT 64/43)	4104737.6	1.95E+00	<b>&gt;</b>
TEST BY AFGL 1 Second Averasing 17145* Number (1997)	DISTANCES 400 FT	SIZE PRECIP (MU) PROBE	46+304-6 484				<b>.</b>			•	356 0.	•	: -	.506 3.	***************************************	7. 357.0	EST BY AFGL 1 SECOND AVERAGING 7844+ IUM BERZIM+*3-MM)	DISTANCES 400 FT	9867.19	(4J) OROSE	484 7.875+14			1536 0.		≟.		:	3328 0.	<b>.</b>		5.176-01	*
AFFIS ISSME SPRAY FEST BY AFGL FLIGHT F79-84 ON 24 JAN 79 1 SECOND AVER INFERENCE STRETISES (NUMBER/NewS-MW) PARTICLE SIZE OLSTEININS (NUMBER/NewS-MW)	FLOW RATES 46 GP4	STZE 5L0U3 (*U) P209E	23 1-51E+08	62 5.05E+£2	2.57E+67		54.702.PUE	1.2 46+66	9.652+65	5.255+0.	7.90[*53	2.335+65	1.30€+65	1.70E+FE	1.10547	122	1 F.IGHT E79-D4 ON Z4 JAN 78 T SECOND AVER F.IGHT E79-D4 ON Z4 JAN 79 T SECOND AVER I TERVAL STATTO-29117144* PARTICLE SIZE DISTRAGUIJONS (NUMBER/PH**3-PM)	HZO FLOW RATES 46 GPM D	Gr 003	38Cto (AL)	73 1.66E+US		33135067		5.46E+46	2.49E+F6	6-156+05	53+324.9	5.46E+F5	1.986+05		1.346+00	
SAMPLE: 329 FLIGHT F79-8 PARTICLE S	420	SIZE SCATTEP (MJ) PROBE	2 2.50€+09			10 9,535469	16 4. topfedd			22 + 225409			29 6.435+08	33 A. 74E+08	1.60	MEJ D 22	SAMPLE: 323 F.IGHT E79-0: PARTICLE SI			38646		4 1.335410				15 1.25.7409			24 6.745+68		28 5.82E+68 30 6.81E+08	LWS 1.39E-01 MEO 0 21	
	CAL FACTOR: 16.8 PRESSURE: 18 PSI	2.648 5.648	4LT (K#)		TEMP (C)	-15.0	FROSTPOINT	-17.7	(3)77	129.1		NT (N/NS)	3929365.2	TOTAL	1.516+00	216		TAL FACTOP: 16.0 PAESSURE: 13 PST	(8x) a	549.1	ALT (KM)	4.875	TEMP (C)	-15.8	CONCEDITAT	-17.6		(A/S)		NT (N/M3)	4247447.6	1.74E+00 2.10	
PPAY TEST BY AFSL 1 SECOND AVERAGING 10-221741 PAER (MUNDER/MOOS-MA)	DISTANCE: 400 FT (	SIZE PRECIP (MU) PRO9E	49 6 9.52E+14 A	: .:		1938 0.		2429 0.	•	4440 C		•	4211 6. 39		5.605-31	707	PRAY TEST 3Y AFGL 1 \$ 550ND AVERAGING 1 \$ 22 11 12 4 1 14 5 (434 PER/HOUT - #4) N	PISTANCER 450 FT .	SIZE PRESID	PRJ3E	464 1.03F+15 A	647 c.					•	3023 U. TAS	: :		4211 6. 42 4508 0.	6.57E-01	
ASFT3 ICING SPOAY FLIGHT ETG-BG ON ZG JAN 79 INFERTAGE STATE-220 PARTICLE SIZE DISTRIBUTIONS (	FLOW RATES 46 GP4	STZE C. UUD (11U) PROSE	23 1.49E+13	4.32E+07	2.305+67	1.405+07		1.19:+86	6,45¢+05	534EEEE	2,352+05	2.25E+f5	1.4004.4	1.13.400	396-11	111	F.IGHT EF9-0. AFT2 IOING SPRAY F.IGHT EF9-0. ON 25 AN 79 INTERAL STATISCE PARTICLE SIZE OUSFRIGHTONS (*	FLJW RATER 46 GP4	arc": 3218	40) × 209E	1.42E+F	1.1550	2.545+47	1.385+17	9.30E+65	1.216+06	9.355455	09-11-60	2,146+15	2.975+65	398 2.805+65	1.89E+00 117	
SAMPLES 329 FLGHT E79-1 PARTICLE 3	PRESSURE: 10 2ST H20 /	SIZE SCATTER (MJ) PROBE	2 1.16E+03			12 6.69 [+18		-	20 - 20 50 50 50 50 50 50 50 50 50 50 50 50 50		-	4	78 6.72E+68	=	LWC 2.18E-01	ME9 0 21	SAMPLE: 129 F.ISMT E79-0 Particle 9	PRESSURE 10 PSI M20 F	SIZE STATTER	3 K78 ₹	1.745+0	4 1.15E+10					14 2.67E+09				3u 1.82E+89	LWC 1.87F-01 MED D 22	

'i

	CAL FACTOR: 18.8	7 (ms) 5.6.1	ALT (KN)	TEMP (C)	FROSTPOINT	-17.1	TAS (M/S)	129.5	NT CR/HS)	32 EBE/ 1	TOTALS	26f +00 1 86		CAL FACTORE 18.8	P (ME) Sec. A	ALT (KH)		TE4P (C) -15.7	FPORTBOTET	-17.8	(8/2)	129.3	NT (N/H3)		1.99E+88 1.99E+88 329
94194			4	16	FROS		TAS		H	200	•	÷	63 N G		•	11		-		3	1 A S		E	315	4
TOVAFEL SECOND AVER P* ER/H**3-HH)	DESTANCE: +00 FT	PROSE	6.926+34	•••		<b>.</b>		•				4.55F-34 434	BV AFGL SECOND AVER 39- 52/4003-44)	DISTANCE! 400 FT	PROPE	1.63E+35		• •	<b>.</b>	::					1.056+38
7 TEST 2 21714 (MUM	1510	STZE (MU)	35	12.5	1635	242	3023	3326	3914	123			7 1551 1 241764 (4088	1210	317E (4b)	3.5	į	1241	1839	54.2	3123	3320	3916	6211 6586	
F. LGHT E79-84 ON 24-JAN 79 1 SECOND AVERAGING INTERVAL STATES 2213147 PARTICLE SIZE DISTRUILONS (MUNGER/Me+9-MN)	FLIM RATE! 46 GP4	5,003 P3083	1.55E+8. 9.65E+8.	4.66E+C7 1.39E+L7 8.32F+C6	3.955.00	7.656+65	3.+9E+C5	3.205+05	1.216+05	1.245.0		5.3 9E-61 107	AFFT3 LOING SPRAV TEST BV AFGL F_IGHT EF9-04 ON 24 AN 79 1 SECOND AVERAGING INTERNAL STATE MESTATARS PARTICLE SITE DISTRIBUTIONS (4UNGER/4003-444)	HZO FLOW RATER 46 GOM	3L0J3	1.256+68	3.325.67	1.915+67 3.46E+16	4.375+05	1.3 45.06	7.74F+L5	4 - 6 BE + 6 5	2-1 36+65	3.20E+15	9.395-61
46 FT 14 ON 141 ER 51 7E D	FLJ# R	STZE (40)	23	<b>6</b> 5 5	122	191	11	221	250	100	}		AFFT. NO 4 ON NO TATER	FL34 R	S17E (10)	23	25	4 C	122	161	181	2.	1691	3.0	
FLIGHT E79- PARTICLE	PSI H20	SCATTER PROBE	3,336+49	1.89E+10 1.02E+10 5.86F+69	2.17E+09 2.87E+09	8. 34E+08	6.29E+08	6.57E+48	4. 49E+08	3.136.48		8.74E-02 20	F.IGHT E79-		SCATTER PP99E	3.62c+89	1.825+10	1. # 3E + 18 5. 28E + 19	2.24E+89	6.23E+ù8	9.14E+08 5.45E+08	6.72E+48	7.796+08	3. t0ff+08	9.42E-02 22
SAMPLE 1328	CAL FACTOR: 18.0 PRESSURE: 10	S 17E	¢ 10	ကာဆောင်	24	2:	30	22 7	92	30		F0 0	SAMPL	PRESSURE: 10 "SI	SIZE	6. 4	7 va	• 5	21	91	13	22.5	50	28 28	
	18.0													10.0											
9 2	CAL FACTOR	546.9	4LT (KH)	TEMP (C)	FROSTPOINT	-17.2	TAS (4/5)	129. 7	NT (N/H3)	£ 0.510 / T.D.+	TOTALS	1.756+09	۲ ع	CAL FACTOR: 18.0	6 .845 548.9	ALT (KM)	: ;	15MP (C)	FROSTPOTAT	-17.1	TAS (M/S)	129.1	NT CN/M3)	3469166.8	1.54E+00 2.54E+00
PPGAY TEST BY AFGL 1 5 5 5 0 HD AVERAGING 1 0 2 2 1 1 7 4 5 0 1 0 DNS (MUHBER/MPOS-H4)	DISTANCES 400 FT	PRECTP	1.016+95	•••	<b>.</b>	<b>.</b>	• 0	• •			;	6.64c-31 404	194 w TEST BV AFGL 1 SFOND AVERAGING 19 1 SFOND AVERAGING 18 (NUMBER/400) N	DISTANCES 4:00 FF	PRECIO	9.89E+14				6	::	•			6.50E-91
1651 1 3 117145 (YUMBE	DISTA	STZE (MU)	32	1241 1538	1935 2112	24.29	3823	332C	3914	4506			151 151 117145 (NUMBE	91ST9	SIZE	404	7 76	1541	1835	2429	3023	3326	391	\$211 \$50 8	
AFFT2 ICING SPRAY ON Z4 JAN 79 VIERVAL STATTI-22 ZE DISTAIBUTIONS TVPER RAIN	TE1 46 6PM	CL 043	1.055+63	5.115+07 2.185+07 1.126+07	6.36E+66 ?.51E+66	944	1	36+6 76+6	2.000-05	10.0		1.185+[]	FFT2 IDING SP4av ny 24 jan 79 NGEMAL START 472 FE DISTRUJIONS TYPER RAIN	NGD 54 8211	360kd	1.502+68	4.235+67	1.95E+C 7 9.34E+C6	7.51E+66	1.045.00	5.54E+65	49E+E5	40+110 A · E	1.965+85	8.97E-61 115
AFFTS SA ON INTERV	FL) W RAT	\$12E	5.4	200	12,	191	231	F : 5	<b>4</b> , 5	9 es			16 74 14 74 141584 175 05	FL24 RAT	3212	£ 7	20	92 132	122	191	191 507	121	260		
AFFTS ICENS S F.IGHT E79-84 ON 26 JAN 77 INFERVAL START PARTICLE SIZE OISTRENDED	SI HEO	SCATTEP PROBE	3.19E+69 1.52E+10	1.97E+18 1.17E+19 6.69E+19	2.51£+09 3.31£+09	00 4 14 40 00 THE PROPERTY OF	6.516+06	7.32E+08 5.59E+48	6.72E+u8	4.89E+08		3.05E-01	FLIGHT E79- PARTICLE	13 PST H20 F	SCATTER PROBE	1.59E+09	1.79E+19	1 ZE + 10 5. 15E + 69	2.41E+83 2.75E+69	7.558+68	6.55E+08	6.17E+68	6.45E+03	2.91E+08	9.18E-82 21
SAMPLE : 328	PAESSURE: 18	STZE		e en 5					200	8 2		0 #0 #	S4MPLE 3 29	PRESSURE: 11	SIZE (MU)	٠.			21 12			22	90	<b>9</b> 6	6 03H 1 NC

<b>35</b>	CAL FACTOR: 18.8	7 (mg)	ALT (KH)	f. 161		TEMP (C)	-15.6		FROSTPOINT	-17.0		TAS (M/S)	129.1		MT (M/H3)	0 t ti 7656.0		TOTALS	1.585+80	251
EST BY AFGL 1 SECOND AVERACING 7:51. UNBER/N+43-44)	DISTANCE: 488 FT	PRECTP	9.496+84			•	<b>-</b>	<u>:</u>	:	=	•	•	•	•	:				6.536-31	40,
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DIST4	SIZE	3	3	i	1241	1588	1835	21 12	5429	2726	3423	3356	3617	3914	4211	4566			
FILCHT ET9-84 ON 24 JAN 79 1 SECOND AVER THERTICLE STEEDSTOOMS (4 UN BERTHOSS PARTICLE STEEDSTOOMS (4 UN BERTHOSS-MAY)	HZO FLON RATES 66 GPM	C_ 0U0	1.586+68	9.166+07	4.286+07	1.985+07	9.16€+06	4.195+06	2.312+06	9.4 BE+05	7.756+05	3,215,05	4.316+45	2.552+65	2.37E+F5	1.385+65	1.176+05		3.276-61	121
AFFT 14768 14768 5176	FLOW R	\$12E	23	4	62	8	132	122	1+2	161	181	211	22.1	24.1	34.	28.9	10 6			
329 FLIGHT E79- PARTICLE		SCATTER PROBE	3, 596+69	1.60E+10	1.87E+10	9,715+89	4. 945+19	1.67E+09	2.44E+49	7, 37E+u8	7,935+68	5.31E+08	4.58E+08	5.17E+08	3.75E+68	2.41E+68	2.62E+08		7.33E-02	
SAMPLE	PRESSURET 10 2SI	S 12E	~	•	•	•	3	15	*	16	17	29	22	54	26	58	2		C AC	MED D
3 X I	CAL FACTOR: 18.0	P (48) 548.8	ALT (KM)	6.680		TEMP (C)	-15.7		FROSTPOINT	-17.0		TAS (M/S)	2.621		NT (N/H3)	1017239.6		TOTALS	1.696+00	235
PRAY TEST BY AFGL 1 SECOND AVERAGING 1°22117143* (OUNBEZ/W**3-H4)	DISTANCES 430 FT	PROPE	1.164.95	:		•	:		•		•				9.		9.		6.94E-11	7 4 7
5P4v TEST BV AFGL 79 1 \$EGOND A 111-22117143+ 1204S (NUNBE2/+++3-	01514	S12E (#J)	4 0 4	<b>2</b> 4 9	116	1241	1538	1835	2132	6242	2726	3423	3326	3617	1916	4211	4506			
W	HZO FLOW RATE! 45 6P4	C. 043	1.536+68	9.595+07	4.345.67	2.45E+07	1.025+07	4. 4 2E+06	2.796466	1.14E+06	6.5 RE+45	5.1.25+05	3.526+65	1.+25+55	1.7 35+05	2.115.05	1.995.05		9.3 %-01	114
AFFT. 14TER SIZE D	FLOWR	S126 ( #U)	23	* 4	6	8.2	102	12.2	745	101	181	23.1	121	26.1	25.3	183	333			
2		SCATTER	3. 495+09	1.26E+10	1.43E+13	6.762+09	3. 28E+49	1.35E+09	1.65E+49	4.89E+1.8	5.10E+68	3.755 +08	6.11F+.8	6. 73E+n8	3.97E+0.8	2.455+08	1.63E+09		5.60E-02	0 28
SAMPLE 1 328	PRESSURE 10 PST	S IZE (NU)	~	•	-67	•	27	12	77	16	13	28	22	54	28	2	30		Ç	MED

9	CAL FACTORE 1	P (HB) 9.6.7	ALT (KM)	*. 86 ±		TEMP (C)	-15.6		FROSTPOINT	77.		TAS (H/S)	121.9		MT (N/43)	373234.6		TOTAL S	1.045+10	•
EST BY AFGL I SECOND AVERAGING 171524 1U18ER/MO+3-H4)	DISTANCES 400 FT	PRECIP PROBE	1.286+95	=	÷	:	:	<u>:</u>	j	•	•	÷	<b>:</b>	•	-	<b>:</b>	÷		1.46-61	ţ
7 TEST ( 1 SE 1 SE 1 SE 1 SE 1 SE 1 SE 1 SE 1 SE	DISTA	STZE (4J)	7 07	3	į	1541	1538	1835	2112	6242	272 €	3623	3320	3617	3914	4211	4516			
MFT2 ICINS SPART TEST BY AFGL IGHT E79-04, ON 20, 184, 79 1 SECHNO AVER INTERNAL STATIF-22:17752- PARTICLE SIZE DESTATIBUTONS (MUNBER/MOFS-H41)	HZO FLJH RATES 46 GP4	C_040	1.395+68	9.500+07	4.396.1	2.22E+07	8.97E+06	4.545+66	2.91E+t6	8.57E+85	6.13E+85	4.576+05	5.7 BE+05	2.1 4E+05	2.34E+03	2.57E+85	2,395+85		9.36E-61	121
AFFT B4 OM INTER	FL3# R	\$12E (3U)	23	<b>†</b>	29	8	102	122	162	191	181	201	22.1	241	26.	298	300			
اية ا		SCATTER	3. 516 +69	1.56€+10	1.926+10	1.036+10	5.69E+09	2.06E+09	2.76E+119	7.31E+08	7.45E+08	5.32E+08	5.64E+08	4.54E+88	4. 61E+08	3.12E+08	3. 62E+88		8.24E-02	20
SAMPLE 1 329	PRESSURER 13 SSI	5126 (UH)	~	4	•	•	12	12	*1	97	13	29	22	7,7	56	\$2	30		- 1	MEO 0
N C	CAL FAUTOPE 18.0	543.9	ALT (KM)	4.880		TEMP (C)	-15.6		FPOSTPOLNT	-17.0		TAS (M/S)	129.1		NT CN/M3)	3141895.3		TOTALS	1.586+00	293
TEST AV AFGL 1 3E2OMD AVEPASING 17153* Mum 9E2/4**3-44)	TH DAM SECRETZED	PRECIP PROBE	1,125+15		•			•	÷.	•			•			·,	9		7.3AE-11	<b>10</b>
1 3 1 3 2127 53 (4UA)52	01514	SIZE (AU)	404	647	776	1241	1536	1835	2132	2429	2726	3623	332 C	1617	3914	4211	4506			
7 ICIMG SPRAV TEST RY AFGL 24 JAN 79 1 SECOND AVER 1 SECOND AVER 1 SERIOTIONS (NUMBER/HOWS)-MAY)	NES 46 634	7,000 9,09,5	1.4505+19	8.532+07	5.77E+07	1.765.67	8.345+66	3. F 4E+06	1.325.06	7.425.65	5.34E+#5	4.0 RE+CS	2,376+05	2.956+75	2.5 3E+05	2.255+65	2.11E+15		8.375-01	122
SITE DIS	HZO FLOW KAT	3175	23	4	29	5	142	123	7.62	191	191	201	22.1	245	260	280	36.0			
329 F.IGHT E79-04-04 2 INTERNAL PARTICLE SIZE ITY		SCATTER PROBE	3, 26E+89	1.37E+10	1.635+10	7.04E+09	4.25E+83	1.535+09	2.1+E+09	6.65E+08	6.9+E+08	5. JE+08	4.45£+88	4. 96E+BB	4. 32E+08	2.69E+88	3.196+88		7-105-02	22
CAMPLE 32	PRESSURE: 13 PSI	SIZE (MJ)	ħ.	•	vo	•	10	12	3.7	91	87	29	22	*2	52	92	8,		2	MED D

19.8

¥	CAL FACTOR: 18.0	F. 38	46.7 (KH)	4.075		TEMP (C)	-19.7		FROSTPOINT	-16.9		TAS (M/S)	129.0		NT (M/H3)	2449598.6		TOTALS	9.166-81	162
EST BY AFGL 1 3ECOND AVERACING 7855 • UM BER/M**3-M#)	DISTANCES 400 FT	PRECTO	5.765+34		•	-	-	-	-	-						•			3.734-31	•
1 3 117199 (HUMBE	<b>DIS 14</b>	417E	9	3	ž	1241	1538	1835	2134	2429	2726	3623	3326	3617	391.4	421.1	4596			
AFFT ICTME SPRAY TEST BY AFGL. IGHT E79-64 ON 24 JAN 79 1 SECOND AVE. INTERNAL STARTY-22:17:559 PARTICLE SIZE DESTREAUTIONS (WINGER/M++03-MM)	HZO FLOW RATE'S 46 GPM	7,000	1.16E+68	7.835+67	2.9 8E+C7	1.835+4.7	6.185+86	2-185+76	1.412+66	3.362+65	2.67€+65	2.1 45+ 5	5.42E+C4	1.4 35.465	1.285465	1.156+65	1.3 35.0.5		5.372-61	*
AFFT: 64 04 I VEER! SI 7E D!	FLOW R	3215	23	*	62	82	182	122	16.2	19	181	23.1	22.1	24.1	263	28.9	300			
328 F_IGHT E79-64 ON 24 JAN 79 INTERAL STARTE PARTICLE SIZE DISTRUBUTION IYPER AAIN		SCATTEP PR38E	2.582+89	1. 48E+18	2,115+18	1.51E+18	9.68E+89	4.13E+89	4. 82E+49	1.35E+09	1.42E+83	6.39E+08	1.06E+09	6.895+08	9.736+68	5.32E+68	7.24E+98		1.436-01	21
SAMPLE: 3	PRESSUREI	S17E (MU)	~	•	•	•	27	12	71	91	91	20	22	\$2	26	23	=		2	0 034
9 11	CAL FACTOR: 18.0 PRESSURE: 18 PSI	6 (#9) C	ALT (R4)	4.877		TEMP (C)	-15.6		FROSTPOINT	-16.9		TAS (M/S)	124.8		FT (N/H3)	3926388.5		TOTALS	1. FUE+ 80	230
PPAV TEST BY AFGL 1 3 ECONO AVERAGING 10 22 11 7 1530 10 10 10 10 10 10 10 10 10 10 10 10 10 1	DISTANCE! 489 FT	3665d	1.936+15	:							:					•	÷		5.68F-71	<b>*</b> 0•
SP4AV TEST BV AFGI 18ECND / 19-22117153* IN	DISTAN	321S 321S	404	\$	116	1241	1538	1815	2132	6 67 6	2726	1323	3320	3517	3314	<b>1124</b>	+504			
	17E1 46 GP4	7.00J 2.03E	1.595+08	9.395+67	2 7 36 + 6 7	2.225+07	4.855+66	4.746+35	2.472+86	1.365.66	9.37E+L5	4.575+65	2.575.35	1.875.65	1.475+65	2-015+05	1.346.05		9.416-61	115
1415PT 1415P	HZO FLIN RRTE1 46	\$17 (\$3	23	£ \$	62	82	192	122	242	161	191	231	22.1	244	269	298	9.1			
PLIGHT E79-		SCATTER 2408E	3.596+89	1.68E+19	2.145+10	1.236+10	6.936+89	2.42.6449	3, 18E+89	7.53E+06	1.026+09	6.82E+88	6.51E+68	5.11E+88	6.32E+#8	4. BSE+38	5.046+88		1.926-81	92
STANTS	PRESSURE: 10 25	STZE (MJ)	~	•	•	•	61	2	<b>:</b>	15	21	2	22	*	52	2	<b>8</b>		2	MEO D

CAL FACTOR: 23.5 1.94£+10 F40STP@INT -15.2 TAS 84/S) 110.4 HT (1/H3) 1530876.6 TEMP (C) ALT (SEE) DISTANCE LEG FT 4.75 E-34 2.75 E-34 2.75 E-35 1..5 E-63 2.5 E-63 PROBE FLOM KATER S& GPM CL OUD P \OBE (AP) CAL FACTOR: 18.6 PRESSURE: 18 PSI M20 SCATTER PROBE におのかでは、1000ででは、1000ででは、1000では FROSTPOINT TEMP (C) -15.6 TAS (M/S) 128.9 NT (N/43) ?593269.3 ALT (KM) DISTANCE: 490 FF 1.656+31 1.28E+15 PRORE FLOW RATES 46 GP4 317E **の最近にはなないではなるのか。** とはのかだによるのかできるのか。これになってはないにはなるのできる。 PRESSURES 18 251 H20 SCATTER 

SAMPLE 1 329

SAMPLE 1 XTRAS

SECTOTIONS SPAN TEST BY AFSL F\_IGHT F79-84 ON 24 JAN 73 1 SECOND AVERAGING I NTRALL STATE-SZZZZZZZG-PARIFOLE SIZE DISTRENUMBEZ/MM-3-44) TYPES RAIN SAMPLE WYRAL 12FF3 ICING SPRAY TEST BY AFGL FLEG4T EF9-33 OY 24 JAN 79 1 SECOND AVERAGING IGHTEVAL SHAFT\*\* 0102298\*\* PARTICLE SIZE 315/54101TONS (NUMBEX/N®\*3-HY)

### STZE SCATTER   STZE C_0UD   STZE   PRECTP   P (MB)   STZE   STATER   STZE   CLOUD   STZE   PRECTP   P (MB)   STZE   CLOUD   STZE   PRECTP   P (MB)   STZE   STATER   STZE   CLOUD   STZE   PRECTP   P (MB)   STZE   STATER   STZE   CLOUD   STZE   PRECTP   P (MB)   STZE   STATER   STZE   CLOUD   STZE   PRECTP   P (MB)														
\$\frac{6.000}{0.000}\$\frac{6.0000}{0.0000}\$\frac{6.0000}{0.0000}\$\frac{6.0000}{0.0000}\$\frac{6.0000}{0.0000}\$\frac{6.0000}{0.0000}\$\frac{6.0000}{0.0000}\$\frac{6.0000}{0.0000}\$\frac{6.0000}{0.0000}\$\frac{6.0000}{0.0000}\$\frac{6.0000}{0.0000}\$\frac{6.00000}{0.0000}\$\frac{6.0000}{0.0000}\$\frac{6.00000}{0.00000}\$\frac{6.00000}{0.0000}\$6.00000	ESSURE		0 F.34			NCE 1 100 FT	CAL FACTOR: 23.5			450 FL34 4	ATER S4 6PH		DISTANCES 108 FT	CAL FACTOR: 23.5
## 100	5115	SCATTER	31.75		\$12c	PRECIP	P (MB)	2218	SCATTER	3123	כר כחם	3218	PRECIP	(98)
\$\begin{array}{cccccccccccccccccccccccccccccccccccc	ŝ	380%c	3		3	PRORE	550.7	(4)	3.403E	9	P-208E	3	PR3.3E	5.855
1.01E-4.3	~	4.56E+08	61	1.54548	4	0.23E+34	ALT (KM)	~	6.26E+01	23	2. : B±+CB	3	0.04E+34	ALT (KH)
2.995E.49 62 5.2E647 344 1.88E482 6 6.67E49 62 8.57E477 14.4 1.88E482 12.62E47 14.4 1.88E482 12.62E47 14.4 1.88E482 12.62E47 14.4 1.88E482 12.62E47 14.4 12.62E482 12.62E47 14.4 12.62E482 12.62E47 14.62E482 12.62E47 12.62E482 12.62E47 12.62E47 12.62E482 12.62E47 12.62E482 12.62E47 12.62E482 12.62E47 12.62E482 12.62E47 12.62E482 12.62E482 12.62E47 12.62E482 12.62E	•	1.915+43	£ \$	1-135+06	3	8.046+02	4.853	•	2, 325+01	•	1.12+60	647	0.845+81	1.856
5.055.09   32 3.352.07   1241 9.455.11   TEMP (C)   9 155.18   92 2.255.7   1350 0.		2.95E+49	29	5.21E+67	746	1.805+02		م	6,675+0	29	3.57E+C7	776	1.60 - 11	
1.04.E.10 102 2.225.7 1530 011.0 110 1.395.40 1.5 2.556.7 1530 011.0 110 1.395.40 1.5 2.566.7 15.0 1.0 1.0 1.395.40 1.5 2.566.7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	•	5.05E+89	3.2		1421	9.455+11	TEMP (C)	•	1.55+16	92	5.25€+37	1241	•	TEMP (C)
12 1.342e10 122 1.252e7 1835 0.	10	1-01E+1B	102		1538		-11.8	07	1.395+11		3.562+67	1538	.;	-12.2
1.62F918 192 192 262 265431 F7OSTPOINT 115 169BF18 142 14746477 15 1469E918 142 14746478 15 147464	12	1.122+1.	122		1835	-		12	1.342+11		2.:4E+37	1835	•	
1.32E+10 151 4.952-66 2429 4. 45.3 16 114-240 151 7.91E+66 1 1.95E+10 151 25E+10 21 25E+10 25E 125E+10 25E+10 25E+10 25E+10 25E+10 25E+10 25E+10 25E+10 25E+10 2	*	1,625+18	24	_	2132		FOOSTPOINT	4	1.636+11		1.796.17	2132	•	FROSTPOTMT
1.56E*18 191 3.24E*16 1756 0. 145E*14 13.2E*14 13.59E*16 13.45E*14 13.59E*16 13.45E*14 13.59E*16 13.45E*14 13.59E*16 13.45E*14 13.59E*16 13.45E*14 13.50E*16	16	1.32E+10	151		2429		-15.3	91	1.142+11		7.315+66	2429	•	-15.6
9-38   9-38	13	1.565+18	191	•	2726			1.9	1.326+1		5.95£+(6	2726	•	
Name	2	9.345+19	102		3023		TAS (M/S)	07	7.64E+0		3.63£4.6	3023	2.762+01	TAS (M/S)
5.377.609 2-1 1.205.66 3817 0. NT (N/M3) 25 3.545.619 2-1 1.505.616 3.	7	3, 86E + 09	221	•••	3320		118, 3	22	7.345646		4.23E+C6	3320	.;	116.3
7.14E%+3 26f 1.55646 3914 0. NT (N/M3) 26 4.96E%19 25f 1.55646 3 2.045646 3 4211 0. 545081.2 23 1.36E%9 25f 1.55646 3 4211 0. 545081.2 23 1.36E%9 25f 1.35E%6 3 4.62E%6 30f 1.36%6 3 4.62E%9 30f 1.11E%6 3 4.62E%9 30f 1.11E%9 30f 1.1	2	5.37:+89	2+5	_	3617			3.5	3.54=+0		1.985.60	3617	:	
\$ 2.04:409 29, 3.13645 4211 i. 5450301.2 29 1.30649 290 1.926+6 i. 6.775+09 300 5.176+08 0. TOTALS 13 4.026+69 300 1.164+6 i. TOTALS 140.266+69 300 1.164+6 ii. TOTALS 140.266+69 300 1.164+6 iii.	96	7.168443	266	_	3914		NT (N/M3)	28	4.985+0		1.350+06	3914	:	NT (N/M3)
6.772+09 300 5.276+05 4508 0. TOTALS 33 4.622+69 306 1.112+16 9.08E-01 2.622+10 6.65E-31 3.46E-07 LMC 6.95E-11 5.05E+10 9.08E-01 2.622+10 6.65E-31 3.46E-07 LMC 6.95E-11 5.05E+10	<b>58</b>	2.04:+89			4211		5456361.2	52	1.305+6		1.325.4.6	4211	;	8466658.3
9-00E-01 2-022-0 6-65E-31 3-46E-0	R	6.77.+09	300		1508	•		:5	4.625+61		1.115+46	*508	-	
9.08E=61 2.052=C0 6.05E=11 3.40E=40 LWG 6.99E=01 :							TOTALS	•						TOTALS
20 0 0 T	2	9.00E-61		2.82€+€0		6.65E-11	3.48E+67	Š			0.1+358**		5.21E-31	5.37E+00
	160	23		178		4.25	202	C 0 3			178		43.4	193

SAMPLE: XTAAL RFF: IDING SFRAT TEST BY AFSL FLIGHT EF9-,3 ON 21 JAN 79 1 SECOND AVERSING THIERRAL STRATE-DISTORS (NUMBER/40-7-HY) PARTICLE SIZE JISSARDITONS (NUMBER/40-7-HY) SAMPLES XTRA1 18F13 IJING SPRAY TEST BY AFGL FLIGHT E79-13 JN 21 JAN 79 1 3ECOMO AVERAGINS LHERAR, SIRATIFOLIDES 53\* PARTIJLE SIZE OLGY LAUDICIONS (MUMBER/H++3-H4) IYPER PRIN

23.5

CAL FACTOR! 2	(ek) a	350.4	ALT (KM)	4.857		TEMP (C)	-12.5		FROSTPOSMT	-15.7		TAS (M/S)	116.4		NT (N/HS)	65 67 22 3.1		TOTALS 5.37E+00 108	
TH BOT BECKELSIO	PRCIP	PROBE	3.935+34	1.712+31		1.095.31	1.995+31	:	•	9.	•	<b>.</b>		•		;		2.79E-81	
DISTA	7215	3	3	2	4	1241	1536	1835	2132	2429	2726	3023	3320	3617	3914	4211	45.8		
420 FLIA CATER 34 GPM	CLJUD	3404E	3.742+63	1. 156+63	316+67	9.30£+£7	3.132+67	2.2.E.17	1.385+17	3,125+60	5.305+66	4.35€+66	3.35€+66	2,375+26	2.195+16	2. 8 3E+16	1 98+16	5 9E+C.	1
FL34 <	517.	9	23	*	29	8	132	122	1+5	151	181	20.2	221	*	100	984	301		
	SCATTER	3409€	5.416+38	1.170+03	3.62E+09	6.62E+09	1.18E+10	1.21=+1,	1.635+10	1.355+10	1.625+13	9.395+09	1.175.10	5.56:+69	6.815+39	2.90=+2	6.71E+.9	•	
PRESSUPEI 10 ºSI	3215	Ŝ	~	.*		•	13	77	1.7	91	3	2	3	*	26	**		512	1
CAL FACTOR: 23.5	P (MB)	550.5	ALT (KM)	4.856		TEMP (C)	-12,0		F>OSTPOINT	-15.5		TAS (M/S)	118.2		NT (N/M3)	6279178.1		TOTALS 5.14E+80	-
DISTANCE: 100 FT	PRECIP	PROBE	1.015+35	4.115+02	1., 8E+02	3.79E+11		;		ė	•	:	•		÷	•		7.08E-31	;
DISTA	SIZE	Ē	3	2 5 9	346	1247	1538	1835	2132	2429	2726	3323	3320	3617	391 4	4211	4538		
1151 54 6P4	C.032	3605c	2.855+65	1.52.+68	3.59£+£7	5.35E+87	3.126+.7	1.506+17	1.225+57	5.592+66	5.20€+36	3.476+26	3.365+56	2.10E+05	1.89.46	1.635+85	1.385+85	4.43E+60	
420 F_J# 441E1	5172	ŝ	23	<u>۳</u>	9	26	273	125	241	191	101	2.1	221	2 • 1	397	29.0	306		
	SCATTER	3404€	6.13E+69	2.665+33	7.478+119	1.235-18	1.65€+18	1.446+18	1.50E+18	9.316+43	9.736+83	1.38E+19	6.57E+19	2.198+19	3.271.+89	1.162+89	3-366+09	5.156-01	
PRESSURE: 18 251	<b>315</b>	510	<b>C</b> I	.*	۰.۰	•	=	75	*	<b>F</b> 1	=	22	77	2	92	<b>52</b>	=	200	

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ALEGAT ETS AFFILL SPRANTEST BY AFGL FLIGHT ETS ALEGAT, STRUNGS TOWN AVERAGENCY PARTICLE SITE JUNG SPRANTEST BY AFGL PARTICLE SITE JUNG SPRANTEST BY AFGL PARTICLE SITE JUNG SPRANTEST BY AFGL PARTICLE SITE JUNG SPRANTEST BY AFGL	FLOW RATER 54 GPW DISTANCER 108 FT CAL FACTORE 28.	CLOUD SIZE PRECIP P (MB) 3204 P (MB)	++15E+27 484 6+745+13 ALT (MM)	4 6	1241 3. TEN	0 10 10 10 10 10 10 10 10 10 10 10 10 10		17:10	2726 0.	3)23 8. 745		101	4211	45.8 2.		3,775-11 171 171	AA AFFT TJING SPAN TEST BY MFGL FLIGHT EP9- 5 DW 21 JAAN 79 1 SECOND WERRSING PARTICLE SIZE ISTRAITEDING (MUMBRAHWERM)	NHW ARCA	PARTY OF GENERAL DESCRIPTION OF THE SALE AND THE SALES OF	C. D. SIZ: FRECTO P (MB)	43+ 5.75c+33 RL	667 3.4+8+03		1548	2 July 1974 July 1885 Co. FORWARD 1887	2429 C.	2726 0.		235.0	700	
r 323< 3:	420 F_3# 2	\$12: (45,		7 4						201	122	1	1 10	330			7446 85141 86 87-6, 8715 3			317s (43)	2,				27.	191	131	107	4	7.7.7	3.5.
KTRA1 FLIGHT E7 PARTISL	1v PSI 42	SCATTER PROSE	5,5384.8	3.112+68	2.25 € +03	4.3324.9	1.252419	1.235+13	1.635+10	1.236+10	1.435.413	#3411C#9	6.4.50	9.525+49		1.2.5+60	XTEAL FLIGHT EP PARTICL		D2+ Jec pt	SCATTER PRUBE	4.98:+(3	8043C744	3.53.409	6.06.+09	8.475.439 1.466.43	1.252+10	1.736+13	1.225+13	1 - 111 - 2		9.575+53
SAMPLES	PRESSURE	512 <u>5</u> (47)	<b>€</b> i	+ 4	o er	3	21	91	13	3	≈ ;	* *	52	2	•	0 0 1 1 1	SAMPLE		PRESSUCEL !	5778 (40)	^.	3,	۰ -	9	2 -	; s <del>,</del>	13	2n	2.6		<b>%</b>
9 10	CAL FACTOR: 23.5	P (NB) 540.5	ALT (KM)	4. 556	TEMP (C)	-12.7	FONTIDUTMI			TAS (H/S)	118.2	MT (N/MT)			TOTALS	5.63F+00	SING		CAL FACTOR: 23.5	P (ME) 558.9	ALT (KH)	4.852	TEMP (C)	-12.0	FANCTBOTMT	-15.9		TAS (H/S)	7.011	NT (2/84)	
PRAV TEST BV AFGL 9 1 SECOND AVERAGING 192187828 DONS (NUMBER/W0+3-HH) N	DISTANCER 100 FT	PRECIP	5.13=+14	5.14E+11	1,495+31		0. 2.55F+31	3.		<b>.</b>	.° .	•	• •		,	3.d3E~,1	PRAV TEST BY AFGL 9 1 SECOND AVERASING 1#011131.3*		THE O'L BECKTREE	PRESIP PROSE	3.35€+15		******						: :		• •
PRAV TEST BV AFGL 1 SECONO A 240143182* ONS (NUMBER/WO+3- N	01514	SIZE	3	7 4 6	1241	1538	1835	5459	2726	3023	3350	100	4211	705m			1 5 E 1 5 E 11 3 3 E . 3 T (NUM BE 3		PISTO	SIZE	404	647	1241	1576	1655	24.5	2726	3023	3617	,	414
CCING SPRA 21 JAN 79 14. STARTHUS STRIBUTIONS TYPE ANIN	1131 S4 GP4	0,3J3	3.4364.8	1.752+68	3446547	3.125+67	1.5915467	7.72+66	34.964.6	3,982+66	347554.6	1 205466	1.7354.6	3. t 5c+. 5		0 1415	AFFTS TOTAG SPRA ON EL JAN 79 VIESAA, STARTERS SUCILIGIAS	NIVE I SAIN	LIM RATER S4 GPM	3L0J3	1.755+68		7 14 17 14 1	1.725.7	1.1 3E+C f	3.66E+C6		2.11E+C6	1.013466		3, 5974 5
# 0 P 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	F.34 341	(fb) 2715	23	100 C	J : J	122	221	1 54	141	7	27.7	4 5	· .	330			10 2215 14127 10 2218	-	FL34 3:	3215	43	₩ E	7 .7	2	2	151	77	4	; <del>,</del>		S Z
KTRAL AFFIJ CING F FLG4T E79-83 ON 21 JAN 7 LAFR4A, SIART AFRAGUE SIZE JNSFREDUTI 1 STATE ARE	15 51 H20	SCATIES	874 IP 7 46	7.28:+08	3.312+63	7.025+69	9.355+63	1,295+18	1.692+13	1.162+10	1.335+10	3.555413	3.0314.3	8.56E+.9	•	2. t 35 + 60	MITA FIEGHT E79-03 ON 22 JAN 79 LATES 44 TART PARTICLE SEES UESTATOUTES		1 02F 15g ft	SCATTER PROBE	7.865+.5	4-275+68	20035423	5.97.5+3.9	1.375.414	1.325-12	1.09E+10	1,275410	8.55E+.9	6 - 3 0 E A 0	6.637463
Shapte KT	PRESSUREI 1	(DN)	~	s 4	•	2	3 1	: ::	2	ನೆ	<b>%</b>	* *	3	3,	5	150 160 160	SAMPLE 1 XT		PRESSURER 13 PSI	\$15°	~	٠. و	n •n	4	3 :	::	3:	3 %	*	3,	; =

	3.52 14																				
Elec.	CAL FACTOR 23.5	(AR) 4	10166	ALT (CH)	4.855		1646 (0)	-12.7		F. USTPOTH	-15.5		1AS (M/S)	117.6		NT (N/H3)	65141.7.7		TOTALS	4 - 246 + 3 .	192
Y AFSL COND AVERAGI /he+5-44)	DISTANCE: 1.09 FT	PR.CIO	16024	3, 10, 116	1.72.+31	1.616+71	.•	2.15.11	2.13:+31	j	;	2.54-+31	•	Ġ	٠,;	<b>.</b> :	:	.;		7,212-11	454
7£57 B 1 3 E 10 31 CS •	PALSTO	3215	ŝ	+0+	2.	7 16	1541	1538	1935	25 72	6242	2726	3323	3326	7 to 2	3914	4211	*5. E			
AAT ASPIS FORMS SPRAY TEST BY AFFL FLEGAT E79-,3 W PL LAW TS LASCOND AVERGENCE TATE PS 1336 CS TATE PS 1336 CS TATE PARTICLE SAZE SAZE SAZE SAZE SAZE SAZE SAZE SAZ	420 FLDW 41138 54 504	5000	160%	2.5260.3	1.42546	7.5524.7	1.4262.4	2.2324.7	1.5354.7	1. 554.7	93+350.00	5, 27E+1.5	3.675.4.5	2.5554.6	1.345416	1.655+:6	1.33*+.6	7.582.065		3+325+6	198
44FT)	F_04 &	. 714	Ē	5.5	M .\$	95	35	201	62.1	14	15.	1 1 1	2.1	223	2 • 2	256	382	170			
PLISAT ETS- PARTIOLE	02+ TSa 01	SCATTER	P 433E	4.355+.3	6.77:4.8	2,225+09	4.39=463	8.145+13	1.12.43	1.552.414	1.332+19	1.755+10	1.672+13	225+13	0.782+63	6:+3+:-6	3.56:+.3	7.74:+39		1.64:46	72
SAMPLES KTRAS	PHESSURE!	3215	Ē	2	*	10	~		21		9	1.9	23	22	Ž.	ć,	57	£		O# 7	M.0 3
с <b>2</b>	CAL FACTOR 23.5 PRESSURER 18 PSI	(MB)	551.0	1 LT (KP)	4.850		TEMP (C)	-12.3		F OSTPOINT	-15.6		TAS (M/S)	119.0		NT (N/M3)	3-12127.4		TOTALS	3.42E+00	318
SPRAY TEST BY AFSL 79 1 S.COND AVERAG TITE OF 1331G5 THAN STANY TLONS (NUMBER/HANSLAY)	DISTANCES 149 FT	divised	P2395	2.03:+15	-	3.63E+11		ċ	2.12F+31		;			.•	.;		.;	.;		1.737430	9.+
SPRAV TEST BY AFSL 79 1 SECOND A RTINGINGSHOST TLUNS (MUMBER/M**3-	NATSIC	3176	Ĵ	;	£	4+6	1241	1558	1935	2132	6246	2726	3,23	332F	3617	3914	4211	4538			
FAISAT E79-C" DW 21 JAN 79 1 S.COND AVERAGING LISAT E79-C" DW 21 JAN 79 1 S.COND AVERAGING LISAT STRATIF OF 133165"  PARTICLE SLEE DISTALUTIONS (MUMBER/M**3-44)	17:1 54 GPH	Brons	36054	1.555	3.75E+E7	3 . ( 25 + [ 7	2 25 + 1. 7	1.1554.7	5, 5924, 6	4.50E+.6	2.2724.6	2.162465	2.168+50	1. 56 + 36	5. 2524.5	3.5.8465	3.2524.5	** 7 35 + C 5		10643461	141
16 2715 14 16 34 5125 31	420 F_34 28758 54	315	Ŝ	~;	۴	9	Ť	1,12	122	1+1	151	131	202	22:	7 4.2	256	6.	375			
KTRAL TENGEN STOLL DAN EL JAN EL JAN EL JAN DA STOLLE STE DISTREAM PARTICLE SIZE DISTREAM PARTICLE SIZE DISTREAM		SCATTER	P<03E	5.245+49	5.235+.B	1.565+69	5.55.489	5.36E+v9	6.4366.8	1.315.16	1.232+10	1.75:+13	1. 645 414	1.312.10	7.13=+.9	9.535+.9	3.97:4.3	8.425+03		1.63-10	* 2 * 0
SAMPLET	PRESSURER 18 25	3718	Ĵ	8	•	10	•	3	12	4	::1	=	20	22	21	22	82	5		CRJ	MED 9

CAL FACTOR 27.5 1.53E+30 178 F > 0STPGINT -15.5 TEMF (C) TAS (4/5) NT (N/43) 2694868.6 417 (KM) SAMPL: MIRAL AFFICE LOING SPRAY TEST BY AFFICENCY ON DELIGHT 79 LEGOND AVERAGING TO LEGOND AVERAGING TO LEGOND AVERAGING TO LATER AT A LIBRARIANG (NUMBER CHART STEEL STEEL LIBRARIANG (NUMBER CHART STEEL STEEL STEEL STEEL 1.420+34 5.170+31 1.810+31 DASTANCLE 1.9 CONTRACTOR OF THE CONTRACTOR O F\_34 (\$128 5+ Gom 1.4.5+15 57.ZE 120 8.+15-01 SCATTER PKJ3E CAL FACTON 23.5 PRESSUMEN 13 FST TOTALS 6.24E+00 325 F-OSTPOINT -15.5 4,852 TEMP (C) -12.4 14S (M/S) 117.9 NT (N/H3) 5551587.5 P (#B) 550.9 SAMPLE XTRAS 17915 DOTAS SPRAY FEST BY AFFL
FLIGHT E79-73 10 23 104 79 1 55000 AJEDASING
TVICKAL 15473031834677
DARTICLE SITE 1559439111945 (MUMRER-M4)
TYDER PAIN 2.030+34 2.030+34 2.030+34 2.250+34 2.250+34 THE BOT HACKETS IC 4.627+15 3.28E+31 PQ\_CIP 572E はてか くりとうらうもっていりてきます こっちょう こっぱい こくしょう ちゅうりゅう ちょうしょう しゅうかい ちょうしょう ちゅうしょう おんしょう こうしょう しょうしょう しょうしょう しょうしょう しょうしょう しょうしょう しょうしょう しゅうしゅう はんしゅう いんしゅう FLOW PATER 34 GP4 2.09E+60 198 5.03. 420 1.17E+80 24 SOATTER PAOSE DRESSURER 13 PSI 

· 山田の東京大学を大学を発いるという。

CAL FACTOR: 23.5 CAL FACTOPI 23.5 TOTALS 4.665+00 312 10TALS 4.46E+00 290 F.OSTPOINT -16.3 F:0STP01NT TEMP (3) -12.6 14S (M/S) 121.6 NT (N/M3) 6563972.0 TEMP (C) 14S (M/S) 121.5 NT (N/ME) P (MB) 551.2 P (48) ALT (K4) ALT (KH) ARE SPRAY TEST BY AFSL F\_IS4T E74-D7 DW 21 JAW 79 1 SECOND AVERASING INTERAL STATE-U11095139 PARTICLE SIZE DISTRAULIONS (NUMBER/MOWS-MM) DISTANCES 240 FT DESTRACES 2.9 FT 6.45E+36 4.4 3.74:+35 3.245+15 PRICTO PRESTA さてれ とうこの ちょう ちゅう ちゅうりょう ちょうこう ちょく かいりょう でんりょう かいかい ちょく ちょう ちょう ちょう ちょう ちょう ちょう という ちょう ちょう ちょう ちょう ちょう ちょう しょうしゅう S176 F. 74 (ATLE S& GPM CAL FACTOR: 23.5 PRESSURER 15 PST M20 FLIM RAIER S4 GPM 2.41\_+f. 2,32E+CG 165 31.39D 26.25 312: \$12; (49) CAL FACTOR: 23.5 PRESSURE: 13 PSI HZO 8.52E-02 1.8 1..4E-01 SC4 FT E2 SCATTER P403E SAMPL'E XTRAZ SAMPLE 8 XTRAZ 4222222222 TOTALS 3.64E+00 101ALS 4.84E+00 F 0STP01NT F.OSTPOINT -16.2 P (MB) 551.2 TEMP (C) -12.7 14S (M/S) 121.3 NT (N/M3) 2316623.6 TEMF (5) -12.8 1AS (M/S) 121.6 P (MP) 551.2 NT (NVH3) 4971647.0 ALT (KM) 4LT (KH) FLIGHT E79-J3 DN 21 JAN 79 1 SECONO AVERGING INTERVAL SIARTE-NIJSELS\*\* PARTICLE SIZE DISTRIBUTIONS (NUMBER/AHT) AZ 4772 [3140 5PRAY TEST RY AFGL F.E54T 279-3 34 21 JAN 79 1.520ND AVERAGINS T4F244L 1787149313595 PARTICLE 5725 315121911NS (MUMBER/M\*\*5-44) DISTANCE 8 24 FT 45+ JISTANCER 200 FT 3,145+15 3.56F+15 PRECIP PRJ9F FLOW PATER SWIGHT FLOW KATEL S4 3PM 3.00 to 10 t 1.028546 i 2.5.E+L0 167 CLOJ) CL 000 P 3 0 3 6 \$12E (40) PRESSURER 10 FSI 120 PRESSUPER 10 051 420 2.465+49 5.246+49 1.115+10 9.51E-02 17 SCATTER PROSE SCATTER PROBE 1.59E+03 1.105-01 SAMPLES XTRA2 SAMPLE 1 XT442 

不知道 我是不是我 家子是我的 我们在我们在你是是我在一场外上的一个一个一个一个人的人的人的人,也是是一个一种

Mary Land Translate Place Edde In . . .

CAL FACTORE 23.5 TOTALS 6.51E+88 385 #07AL> F>0.TP01NT -16.4 F - 05TPOINT -16.4 TAS (M/S) 121.6 TENP (C) -12.9 7.15 (M/S) NT (N/HZ) 4LT (KH) 7EMP (C) -13.3 NT (N/N3) 6:614458.3 4LT (KH) SAMPLE XTRAZ F\_LG4T E79-3 ON 21 JAN 79 1 SICOMO AVERAGINS THTRA4L STATIO-11058124 PARTICLE SIZT JESTELDITOMS (NUMBER/M++3-M4) ţ 404E+30 4, 16: + 15 3.110+15 PRCTP PROTE DISTANDER 248 STZL (49) FLUM KKTER SA SP4 FLON CATES SA GPM 3.32E+66 175 2.125ef. 176 5605¢ 5\_0JJ 1215 (43) 512: DI CELEBRICO DA DO COME CIPO POR PORTO PORTO MICIO DO DO PORTO POR TO TO THE THE TANK OF THE TANK PRESSUPER 13 351 420 PRESSURET 13 PSI A20 6.24E-u2 SCATTER PROJE SCATTER 2332 512: (UN) これらかい ちゅうりょうかい かられてん ちょうしょう こうこう こうしょう しょうしょう しょうしょう しょうしょう しょうしゅう CAL FACTOP1 23.5 CAL FACTOR: 23.5 10TALS 3.19E+00 290 -16.4 F.OSTPCINT -15.4 10 FALS 2.2 LE+8 0 256 7AS (4/5) 121.6 TAS (H/S) 121.6 NT (N/MT) 2983445.4 ALT (KH) 7 (8/43) IN P (MB) 550.9 ALT (KM) TEMP (C) -13.3 P (MP) 351.0 7£4P (C) -13.1 RAZ AFFIZ ICING SPRAY TEST BY AFGL FLIGHT E79-33 ON 21 JAN 73 1 SECOND AVERAGING INTERNAL STATESHINGSLAS PARTICLE SIZE ISSTABULIONS (NUMBER/M\*\*3-MY) DISTANCES 2.9 FT 1.536430 2.32E+15 1.412415 DISTANCE: 249 3ZI\$ SIZE FLOW RATES S4 GPM PRESSURE 10 951 420 F\_DW :3151 34 554 1.65210 1.472.00. CRO10 1732 \$12; 4.57E-82 1.5 6.835-02 16 SCATTER PROBE 5C471 E2 P233E PRESSURER 18 PST SAMPLE 1 XTQA2 SAMPLE 1 XTRAZ に必要なごのではいますではらめ きゅうちゅうけい ひいごりゅう

SAMPLES	######################################	13 ON 14 E	ATTO COING SPGAY LA ON 21 JAN 74 LAFERMAL STARTIFULL STAL DISTREDIOUS	r fest   1 3: 1:051231 (NUMBER	PRAY FEST BY AFGL 1 SECOND AVERAGING 1 PERIOSIES ONS (MUMBER/M**3-NA) N	9 21	SAMPLE & XTRAE	TRAE F.IGHT E79-,3 DW IHFER PARTICLE SIZE D	12FF 14FE 14FE 18 SIZE D	AFFI IOLMS SPRAY TEST BY AFGL 37 21 JAN 79 1 \$2000 AVERAGINS 147EQVA. STATI+911109125* 122 JESTABUTIONS (NUMBER/N++3-NW) 172ER ARIN	1 1051 1 1 5: 1 1051254 (NU4854	N AFGL COND AVERAGE (/N++3-N4)	SN1
PRESSURE	18 PSI 420	F.34	48158 54 60M	SISTAN	DISTANCER 2:0 FT	CAL FACTOR: 23.5	PRESSUPET 10	156	D FLOW &	420 FLOW RATER S4 GPM	JISTAA	SISTANCE! ZED FT	CAL FACTOR: 23.5
SIZ.	SCATTER PROBE	\$12E	01040 9338£	STZE (MU)	PRCTP PR19E	F (MB)	SIZE	SCATTER P433E	7215	38010	SIZE	PRE 01P	F (#8) 551.6
₩.	2.546+.9	#0 *	2,136413	31	3.678+15	ALT (KH)	∾.	E 3+ H 95 + 15	23	2.165+38	100	6.255+15	ALT (KM)
• •	1.885+18	÷ .c	3 + 1E+67	3 %		2527	<b>.</b>	1.045+10	~ W	5.575+67	- 3 5 6	. 6	
•	8.72E+89	96		1241	•	TEMP (C)	•	9.445+09	25	3. 72E+17	1547		TEMF (C)
=:	6.135+19	102	2,116+67	1538	•	-13.2	21	5.942+49	211	2,125+17	1538	;	-13.3
3 4	2 - CDC + CD	7 .7	7.65.45	1855	• •	FONCTOATME	2 12	3-115-09	27.7	1.632467	1835		F: OCTOOTHE
9	6-30:+08	151	+* 715+16	2429		-15.5	91	34.3554.8	101	5.292416	2429		-16.4
2	5.435463	191	3,245+66	2726			3	785+43	191	3.956.5	2726		
[2	3.25E+08	102	2,516+,5	3323	<b>:</b>	TAS (M/S)	92	2.36E+08	2,1	2.76E+Co	3,23	•	TAS (N/S)
2 2	4.07E+38	12.7	1.216+65	3325	,,,	121. 3	22	2,715+68		2.526+16	3120	•••	141.4
200	2.875+88	25.5	1.172+86	100	: =	MT (N/H3)	* 4	1 . 20: +C0	1 4 6	4 1484.4	101	•	1 (W/W)
28	1.215+08	3.	7 . 35E+, 5	4211	; ;	5621407.1	23.53	7.53:4.7	2 2	1.5554.6	4211		627-002.7
36	2.64=+18	300	3.562+15	4538	•	1	3.6	1.29:+48	305	1.125.06	4538	•	
9			7. 12546.		2.415418	F. 26F4 1	3	F 11 11 11 11 11 11 11 11 11 11 11 11 11		1 22646		90 43 1 4	TOTALS 7. LYEAR
- Cu						10110000				3 220 0		1770	
	•		7/1		9 12 3	242	MED D	<u>:</u>		163		*	925
SAMPLE 8 X1	MTRAZ FLIGAT EF9- PARTISLE	15 17 18 18 18 18 18 18 18 18 18 18 18 18 18	ARE FLEGT E79-33 34 21 JAN 79 1 SECOND AVER INTERPRETATE OF SECOND AVER 1872 E STEEL STATE OF SECOND	1 5 E ST B 1 5 E ST B 5 E ST CNUMBER	PRAV TEST BY AFGL 9 1 SECOND AVERAGINS 1°01105124* OVS (NUMBER/40*3-44) N	. ? . N.	SAMPLEE	XTRAZ FLIGHT E79 PARTAGLE	9-33 JN 141E2 E \$12E 3	A2 SFF7 TOING SPRAY TEST BY AFFL FLEGHT EP9-03 JN 21 JAN 79 1 SECOND AVERAGING TILESTON TO THE SECOND AVERAGING PARTACLE STEEL TARTIESTON (NUMBER/MO+53-MM) [VAST STEEL TARTIESTEEN PARTACLE STEEL STE	Y TEST ( 1 3 5 1 105 1254 (NUMBER	COND AVERAG	D N T
PRESSURE: 10	18 95I 420	100	FL3# 48718 54 3FM	NATSIC	DISTANCES 200 FT	CAL FACTOR: 23.5	PRESSURE 10	16 PSI 420	7 F. 34	本本語   本本 日本計画   MC   P	ATSTO	STSTANCER 2.8 FT	CAL FACTOR: 23.5
								:					
512E (AJ)	SCATTER PROBE	\$12:	CL090 P 203E	312E (HJ)	PRECIP PROSE	P (M8) 550.9	SITE	SCATTER PADSE	37.25	CLOUT 0 2 0 9 F	SIZE	PROBE	F (MA)
~	2.682+43		2.428+30	784	4.332+35	ALT (KM)	٧	3.352+.9	23	4.5.06+6.5	?	3,5,00	ALT (KW)
<i>,</i>	1.331.418	9	1.555+64	2 .	•	4.852	<b>.*</b> (	1.39: +10	P) (	1.1.2.60	3	•	4.853
•	1.025+10	2 4	3.295487		ء ء د	1545 (7)	•	1.155+16	20	3.206+07	;	•	1646 (0)
3	6.945+43	132	1.635+67	1538		-13.3		5.475+09	1.2	2 - C - C - C - C - C - C - C - C - C -	1538		13.3
21 :	3.645459	27	1 - 25E+67	1835			15	2 . B & ! + 19	1.22	1.2154.7	1635		
: :	00 4 30 0 00 T		8 7 4 H H H H H H H H H H H H H H H H H H	2132		F & DSTPOINT	3.	2.4354.3	2+1	7.755+66	2132	÷	F.OSTPOINT
:=	7.465-09	191	3.385+26	2726		-19:5	2 3	5.425.4.3	161	3.44246	2726	•	• • • • •
2	3. 84E+88	102	2.79E+36	3323		TAS (M/S)	92	3.452478	2.1	2 - 15 + 6	3053		TAS (M/S)
: 2	2.435.48	2 2	1.105+06	3320	• •	121.5	22	W-940+09	21.5	1.5000+76 3.8000+76	3320		121.5
92	2-116+00	250	3.726+65	3914		NT (N/H3)	56	1.56E+u8	365	8.415+05	3914	:	NT (A/M3)
2 E	9.04E+07	E- 10	9 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	4211			8	7.535+07	362	7.132+65	1124	•	5.34668.1
		}			•	TOTALS	2	1,005.430	7	6 0 4 2 C + + C	9 2 6	:	Thrais
	6.31£-02 14		2.92E+06		2.635+00	5.65E+Q:0	ON I	5.385-82		2.586+00		2,36c+10	. %
			;		;	,	245			701		* 0 *	243

SAMPLES	XTDA 2	7	MIST CITE	AT COSTA	DOAY TEST BY AFG!	, AFG								
	FLEAT 279-35 30 21 LON 79 IN ELERAL STARTS PARTICLE SIZE DISFALSUTION TYPES ARE	7-67	TERMA, ST ERMA, ST E DISTRIB	ARTICOLS (	1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	1 5:000 AVERAGING 1 5:000 AVERAGING 1 6:1185127 000 (NUMBER/N+*1-N+) N	92	SAMPLE: XIRAZ	FLIGHT EF	10 2215 3 141624 5 21 21 3	7 15146 5PTA 21 JAN 79 441 518411°B 151418411045 1775 4818	1 1 1 1 2 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1	FILEST ET9-03 OF 21 JAM 79 1 SECOND AVERAGING PRAFT ETS 07 AVER AND 10 SET 07 AVER AND 10 SET 07 AVER AVER AVER AVER AVER AVER AVER AVER	196
PRESSURE 18 PSI	18 PST H	20 FL31	HZO FLOW RATER 54		DISTAN	DISTANCE: 208 FT	CAL FACTOR: 23.5	PRESSURE: 10 PSI		0 F. 34 44	420 F.34 44751 S4 6PM	DISTA	DISTANCES 200 FT	CAL FACTOR: 23.5
\$12E	SCATTER PROJE	\$12E (40)	SE CLOUD		SIZE (NU)	PRECIP PROBE	P (HB) 558.9	SIZE	SCATTER PROSE	\$12E	0°000	SIZE (MJ)	PRECIP	P (ND) 951.0
~	3.96E+89		13 1.395+30	E+3 o	<b>;</b>	4.335+05	ALT (KM)	N	4.11E+03	23	11+211.6	;	1.465+35	ALT (KM)
. d			43 1.22E+0		3		4.852		5.30E+03	m d	29-395-5 2-395-5	25	<b>.</b>	1.050
•				- ~	1241	• •	TEMP (C)		1.17 # 489	. ¢	2 1 2 2 5 4 5 7		•	TFMP (C)
7				7	1538		-13, 3	707	7 - 165+18	707	6.535+66	1538	: =	-13.1
77				_	1835	2.06E+01		15	5.115+08	122	* . 24E+to	1835	:	
::	3.041.400		9.22546	٠.	2132		FROSTPOINT	#	S. 48E+B	7 + 5	2.572+66	2132	:	FROSTPOTMT
=				۰.	6242		-16.3	-1	2.63:+08	191	1.575+66	2429	•	-16.3
25					3023	•	TAS (M/C)	2 (	2.105+03	F 0 0	1.345456	9212	:.	
22			2.715+66		3320		121.6	3 %	1.055408	100	4.12.46	7622	: 4	
2					3617	•		3.4	1.47.404	11.	3,795+65	7617		
£.					3914		NT (KF3)	25	9.775+87	4 7	3.935+65	3614	: -	NT (M/M3)
2;	_		•	ın ı	4211	.,	5705125.9	92 58	3.76=+07	290	2.926+65	4211		1363697.4
8	)		3.346.40	•	4578	:	4014.6	'n	6.762+07	300	2.615+05	+508	<b>.</b>	
2	1.335-02		1.00.5	5+E		1.306+10	F. 46F400							10141.5
034	61 0		17.2	72		405	319	450 D	30-12-05		178		10-10-5	70°
SAMPLE	**************************************	79-13 0 146 146 18 51 25	AZ AFET, ICING SPRAV TEST BY AFEL FLIGHT E79-13 OV 21 JAN 79 1 SECOND AVER INTERNAL STATISOLIOSSESS PARTACLE SIZE 31STRUSTIONS (NUMBER/Mes)-44)	G SPRAY N 79 ARTIBOSEI JTIONS (1	PRAV TEST BY AFGL 9 1 SECOND A 1*01:05:29* ONS (NUMBER/M**3-1	PRAY TEST BY AFGL 9 1 SECOND AVERAGINS 1*01:05:29* ONS (NUMBER/M**3-44) N	SN	SAMPLE 6 XT	XTRAZ FLIGAT EPS PARTICLE	4FFT3 9-03 3v 14 544 1 SIZE DI	AFFT TOTAG SPRAY TEST BY AFEL 10 21 JAN 79 1 SECOND A 4 FE4A. STATIONANS SSU 22 DISTRIBUTIONS (NUMBEA/MODE)	V TEST (1.0.5130)	AREL SELVING SPRAY TEST BY AFEL FLEGHT E79-03 DV 21 JBN 79 1 SECOND AVERAGING (17544. STATIFFLEGHSSING) PARTICLE SIZE DISTRIBUTIONS (NUM BER/MFF5-M4)	386
PRESSURER 10 PST		20 F.J4	420 F_3# 44TE# 54	1. T	DISTANS	DISTANCES 280 FT	CAL FACTOR: 23.5	PRESSURE1 1	18c 91	0 FL3W <4	HZO FLJW KATER S& GPM	DISTA	DISTANCE: 200 FT	CAL FACTOR: 23.5
S12:	\$34TTER >203E	1215 1218	CLOUD		SIZE (MU)	PRECIP PROBE	P (NB) 558.7	3.TZE (M.J.)	SCATTER PROJE	512	CLUJU PROBE	SIZE	PRECIP	P (MB) 551.0
•	4.375400				•									. !
•	4.315+69				1,	6.31E+J2 b.	4.1 (KH)	N .3	4.16:409 7.13:489	M M	4.59E+07 3.45F+87	; ì	1.67E+85 A.	ALT (KM)
•	2.12E+49			_	;	•		•	3.335+89	9	2.066+07	1		
• •	9.93E+68			١٠	1241	•	TEMP (C)	<b>4</b> 1	1.445+83	26	1.36E+67	1241		TEMP (C)
12	3 - 5 - 5 - 5 - 5 - 5	3 -	2 1.01E+0	~ 4	1555	•	-13.3	7	9.782+08	201	7.60E+60	1536	<b>.</b>	-12.9
3	3.165+08			م د	2132		FROSTPOTMT	21 1	7.75E+16	2:1	4 - 74E+86	1835	•	ronerentur
<b>9</b>	2-185+88				6242		-16.3	1 91	2.552+06	191	2.296+66	6242	: -:	E -91-
	2.585.485			٠ و	2726			13	1.885+63	191	1.825.06	2726	:	
2	1.562+88		1 1.335+8	ه ه	335 S		145 (R/S) 124-6	<b>58</b>	1.28E+v8	707	1.396+66	3023	j.	TAS (8/5)
2	1-205-00				191			3 %	A++3E++6	4 4	5 - 1 SE + 2 S	3617	: -	
2 :	1.396+86			<b>.</b>	3914	•	NY (NVH3)	8	9.83E+67	94	4-436+65	381	:	NT (N/HB)
2 2	4.54E+0		. 6.13E+8	a va	450 8 450 8		2351565.8	62 F	6.77:447	60 C	3. 34E+05	1124	•	1067955.4
	4.635.82						TOTALS	3		•	77.76		:	TOTALS
	22		173	. m		1002641	3.61E+0 B	L'NC NEO 0	1.655-02		1.24E+D0 183		1.105-30	2.34E+01 293
								į			;		:	

SAMPLE	MTRAZ AFFI FLEGAT E79-03 ON PARTICLE SIZE	AFFI CING SPRAY TEST BY AFGL. 13 ON 21 JAN 79 1 SECOND AVERAGING KNTZANL STARTFFILMOSSIST STEE JISTRIBUTIONS (NUMBER/4003-MM)	5 SPRAY TI 4 79 1211#9140: 1710MS (NI	EST BY 1 SECO 51314 UMBE 2/1	PRAY TEST BY AFGL 9 1 SECOND AVERAGI 1*91105151* ONS (MUMBER/4**3-MM) N	9	SAMPLEL	XTAAR FLIGHT FLIGHT	144 1462 1462 1463 1463	APPRAY TEST BY AFGL FLEGAT E79-33 ON 21 JAN 79 1 SICOMO AVERAGING E41244, STATT* 42465337 PARTICLE SIZE DISTABULTONS (NUMBER/4043-N4)	7 TEST 2 1 S 2 C G S C 3 S C R C G G G G	BV AFGL EJONO AVERAG # R/HD+3-HH)	99
PRESSURE	16 PSI H20	FLOW RATER 54	10 A	ES TANCE	DISTANCES 200 FT	CAL FACTOR: 23.5	PRESSURER 10	PSI	420 F.34 4	41E1 54 6PM	DISTA	DISTANCE: 200 FT	CAL FACTORE 23.5
S 1 2 E	SCATTER >209E	212: CLOJO :512		SIZE D	PROTP PROBE	P (M8) 551.1	SIZE	SCATTER PROBE	\$12E (41)	36024 P409E	321S	PRECIP PROBE	6 (MG)
~			•	9 (3)	3.03E+05	ALT (KM)	<b>N</b> ∂	60+366-7	23	1.406+08	101	3.45E+85	ALT (KW)
æ ut	7.755+69	43 7.42it				F.	• •	1.39E+09		3.22E+67	3	1.756+01	
•			~			TENP (C)	•	80+11+4°4		2.375+07	1241	•	TEMP (C)
7?				1536 1	• •	-17.8	12		122	1.135067	1835	::	
: ::					•	F?OSTPOINT	#			5.75E+1.6	2132	<b>.</b>	FROSTPOINT
91				429 t	•	-16.3	3:	10511468		3. 395416	2726	•	2 • 9 1
3,		181 2.22416		726 6	•	1978/ 14/61	5 6 7			2.2.E+1.0	3023	: :	TAS (M/S)
36							22	_		20.464.6	3324	:	
2.5					و.		2			1.100+66	3617	•	
52		Ġ	r.		•	NT (N/H3)	<b>%</b>				7 16 F	•	MY (MAIN)
52	4.522+07	٠ ف	w r	4211	•	3550912.9	5 F	7.537.4.6		5.1814.3	4611	•	9.00355
2		•	2 3E 7 U 2	976	•	TOTALS	•						TOTALS
) HC	1.365-82	1.796	E+: 0	•	2.035+16	3.62E+00	LNC	7.25		2.47546		2.27E+10	4.74E+00
Q¥	41 0	191	24		*0+	321		61 0		175		4.5	662
SAMPLEI	XTRAZ FLIG4T E79- PARTICLE	FLIGHT ETG-,3 ON 2L DAN 79 THEGHT ETG-,3 ON 2L DAN 79 THERMS STATE: PARTICLE SIZE DISTRIBUTION		EST BY 1 SEC 5832* UMBER/A	PAAY TEST BY AFGL 1 SECOND AVERASING 1-01:05:32+ NNS (NUMBER/N++3-H4)	9. 1	SAMPLES XTRAZ	KTRAZ FLIGAT E PARTIO	18=1 14 E 2 14 14 E E S 15 : 1	A2 AFFL POING SPRAY TEST BY AFFL FLIGHT EFF EFF AND ANSWELLING SHUGESTAFF THE STATE OF STAFF (NUMBER/MRS-MM) FALLOLE SIZE JUSTANDING SHUGESTAFF AND THE STAFF AND	V TEST 1 3 1:05:36 (NUABE	BY AFGL ECOND AVERAGE * 2/H*+3-H4)	SNG
POF CRIMEF	14 051 420			DISTANCES 256	19 260 FT	CAL FACTOR: 23.5	PRESSURE	10 PSI +	20 F.J4 4	420 F_JA 44TER 54 3PM	DISTA	DISTANCER 200 FT	CAL FACTOR 23.5
3215	SCATTER	STZE		SIZL	PRECTO	(HB)	3 I Z I	SCATTER	215	SLOUD	3218	PRECIP	6 (48)
£					PR3.9E	550.9		P 409E	9	7 20 20 20 20 20 20 20 20 20 20 20 20 20		160	5.000
2				404	3,326+35	ALT (KH)	∾.	69+264*4		2.126.60	7	4.36E+15	4LT (KH)
• •	6.061+69	43 4.52E+4		-	0. *.785484	4.852	÷ 16	3.35:409 1.31E+19	ę <del>*</del>	1 . : 4c + 10 5 . 34E + 17	* *	3.516+01	769**
-						TEMP (C)	10			3. 455+07	1241	1.05E+31	TEMP (C)
4			•	988	:-	-13.0	12	3.17E+18	227	2.11E+07	1536	, . ; e	-13.1
3 4				132	•	FROSTPOINT	11			3 . 1 3E+ L 6	2132	2.195+01	FROSTPOINT
: =		151 3,575+06		624		-16.3	10			4.625+16	2429	•	-16.2
<b>⊅</b> {			<b>.</b> .	726	•	10/11/ 301	2 5	7. SEF 407		5. 5.5E+L 6	2423		TAS (M/S)
2 2	1.90E+08		. ق و	320	•		35	_			326	-56	121.1
2			. و	19	•		***			0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	100	:	** ******
2 2		264 6.30E+0	v v	1124	• •	4364560.1	8 87		200		1511	:	5500674.2
萬		6	4E+85 4	. 808	<u>.</u>		S.	3.825+67		7.51E+65	200	•	9 17 102
9	1:	61.5	9E+0 v		2.185+30	101 ALS 4.36E+88	25	6.835-43		2.76E+0		2.912+38	5.67E+00
ľ	2	-	2		4	<b>7.8</b> 0	2			7.7		•	h 4 5

A CONTRACTOR

SAMPLES XTRAE	FLIGHT 279-83 ON 21 INFRAGA PARTICLE SIZE DISF	3218	135	1105135	3)4417 614831537 ATBUTTONS (AU48ER/4001-144) Et talk			PARTICLE	0 :238	PARTICLE SIZE DISTREBUTIONS (NUMBER/NOBS-44) TYPE: RAIN		(/He+2-44)	
PRESSURE	10 PSI H2	HZO F.JW 44TE	RATEL SA BPM	01874	DISTANCE: 200 FT	CAL FACTOR: 23.5	PRESSURE	16 35I H20	FLOR &	420 FL34 21TER 54 6P4	OISTAN	DISTANCES 238 FT	CAL FACTORS
S12E	SCATTE?	\$17E	C.003	\$12E (4J)	PRECIP PROBE	P (HB) 550.9	SAZE	SCATTER PROBE	312E (40)	CLOUD 2409E	\$12E	PRECIP PROSE	558.9
•	4.1884.3	•	7. 16:45	4	9.4544	11 /641	•	R. (67413	2.0	2.115688	•	6.98E+38	ALT (KM)
•	1.437.462	3		1 4	1.675+11	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	<b>L</b>	4.36:+09	) P	1.285+56	3		4.852
• •	9.366+88	; `è	2.326+87	1			- 40	1.246+49	62	6.225+4.7	į	1.7 46+01	
•	3.952+89	-		1241		TEMP (C)	•	375+08	42	T.196+./	1241		TEMP (C)
1	2.425.488	3		1538	: :	-13.2	10	1.27E+08	707	2.17=+67	1538	.;	-13.3
21	1.662.18	1.2		1835			12	6.745+07	2 <b>2 1</b>	1.346+67	1935	÷	
<b>:</b>	1.665+48	-1		2132		FROSTPOINT	1,	7.43E+07	741	7. 35 +06	2132	<b>.</b>	FROSTPOINT
:	6.38:+87	151		5459	•	-16.2	15	1.15:+08	151	974364	245	•	-19.
2	1.515+09	-		2726	-		3	5.245+07	19.	3.565435	92/2	<b>:</b> .	146 /4/61
12	79+388*9	5	2.52E+C6	3023	•	145 (H/S)	2	5,392,67	3 :	2 2 2 2 2 2 2	3135	: .	199.9
2 2	100 10 C = 4	3,2		1255		2.121	21 6	104146.4		1.645466	1617	: .	
3	1.516+37			3 1 6 2	•	at (N/M3)	7 2	3.835.487	9	1.[82+66	3916	•	HT (M/HT)
52	-	000		4211	.;		28	7. 49E+.6	2	3.1554:5	4211	•	5656887.4
<b>.</b>	1.51:+87	<u></u>		4506			8	7.+35+06	Ξ,	7.3.5.05	9664	÷	
!	:		•			TOTALS	•					66.470.0	TOTALS
HED 0	2.61E-43.		171		1.595-51	3.22£+0£ 17.7	#E3 B	4.94E=03		173		Su+	001
SAMPLES	XTAA2 FLIG41 E74 PARTICLE	4 F F F F F F F F F F F F F F F F F F F	FLIGHT EF9-83 ON 21 JAN 79 1 SECOND AVER FLIGHT EF9-83 ON 21 JAN 79 1 SECOND AVER FLIGHT EFF STRAITTONS, FAINMED AND AND AND AND AND AND AND AND AND AN	V TEST 1 3 10.5136	196 SPAN TEST BY AFSL Jan 79 1 SECOND AVERAGING STARTE-134551369 STARTE-1441	911	SAMPLE 8 X1	1FI F_1647 [79-03 0] F_1647 [79-03 0]	16FT	A2 FFI TOIMG SPAN TEST BY AFEL FIGHT E79-03 ON 21 AN 79 1 SECOND AVERGING TARTHOLDESS BY CASTALLY CAST	1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8Y AFSL 520MD AVZRAG 8/HPF3-H4)	981
			TYPE BALL							I VOE 1 SAIN			
PRESSURE:	13 331 420	FC34	420 FL38 21728 54 6PM	01574	DISTANCES 208 FT	CAL FACTORE 23.5	PRESSURE: 10 PSI		F.3# &	H20 F_3W 48TER 54 SFM	21574	DISTANCE 1 200 FT	CAL FACTOR
\$115 3218	SCATTER PROBE	312 <u>5</u> (43)	CLOUD P:08E	SIZE	PRECIP PROSE	P (MB) 550.9	S12E (HJ)	SCATTER PROSE	512;	C.00J	STZE	PROBE	0 (MB) 0
•	68+3E 6 **	~		4	4.355+05	41.7 (EW)	~	6.362+n3	**		404	2.332.94	411 (KH)
•	3. 34: +69			3		4.852	•	6.1+1+03	**		249	4.97E+31	4.853
•	\$ 00 E 00 E	<b>.</b>	7*666+47	116	•		•	2.34E+89	20		1	5.22E+01	
•	3.516+86			1241	<b>.</b>	TEMP (C)	• ;	80 + 11 + 12 e		2. 41E+67	1421	016414	To all a
2	1.436.48	12		1035		23.6	12	2.425.488	122		1635		
:	1.66.	3		2132		FROSTPOINT	**	2.135+48	79.1		2134	4.355+31	F & OSTPOINT
3	9.705+17	ie i		542		-16.1	91	7	151		6242	2.32E+11	-15.9
2 2	Z-116+07	21.2		3873		155 (11/6)	12	5.74F+07		0 14 15 1 T	3023	2.67E+81	TAS (M/S)
2	7.52E+u7	22		1320		121.6	22	5.245+17	221	1.500.406	3326	2.306.2	122. 3
2 :	79.812.467		9.465.455	3617	<b>.</b>		\$ 7	7.48E+07	44 C	1.256466	3617	<b>.</b>	120777 45
2 2 3	7.32E+06			124	• •	6324643.1	<b>9</b> 2	7.485.06	8 0	* 54E+15	1124		3079724.4
R	<u>:</u>	<u>.</u>	•	450	<b>:</b>		36	2.25:+17	300	2.78€+65	<b>121</b>	÷	• 10 .00
200	5.006-03		2.975+60		2.865+18	7074LS 5.63E+00	200	7.835-83		1.986+6		5.55E-11	2.546.00
	•		<b>3 1 1 1</b>		*	682	2	2		001		2007	•

23.5

23.5

	FLEGHT EF9-43 ON RE JAN T LAFRYMA, STRAT PARTICLE SIZE DISTAIGUTE TYPEE GAI	579-53 5.6 516 913	04 21 46244. 73 3157	JAN 79 1 SECOND A START PRINGS (NUMBER/1445)-	1 SE 189139* (NUMBER	1 SECOND AVERAGING 1+812893494 ONS (NUMBER/1+03-H4)	ING	2	FLIG4T E79. PARTIOLE	9-13 34 INTER E SIZE 0	FLIGAT EFG-33 3N 21 JAN 79 I SECOND AVERAGING PARTICLE SIZE DISREBUTIONS (NUMBER/Hees-M4)	1 2 2 4 1 1 1 2 1 4 1 1 1 1 1 1 1 1 1 1	ECOND AVERAGE TATES-HAD	1 × 6
JAE :	PRESSURE 18 PSI	420 FL:	HEO FLOW RATER 54	1 54 GPM	DISTAN	DISTANCE   200 FT	CAL FACTOR: 23.5	PRESSURE	13 PSI H20	F-3# 3	HZO F_JW RATER S4 GPM	DISTA	DISTANCE: 200 FT	CAL FACTOR: 23.5
\$12£	SCATTER PROBE		3125	C_OUD PROSE	SIZE	PRECTP PROBE	6 (MB) 4	SIZE (HJ)	SCATTER PROBE	\$12E (40)	CLOU? P < 08E	SIZE (MU)	PRECIP PROBE	6 (MD) 4 551.9
~				. 5uE+u7	4 6	2.336+05	ALT (KH)	۸,	8.95E+C3	<b>8</b>	5.27E+37	3 ;	1.546+34	ALT (KH)
<b>+</b> •0	2.21E+89		29	2.516+07	į	•	269.4	<b>?</b> •0	1.450+69	+ ·ñ	1.575+07	**	9.08E+31 5.19E+01	758.
•				475407	1541	٥.	TEMP (C)	•	2.465+98	*	1.155.27	1241	1.52E+71	TEMP (C)
3				. 01E+06	1538	<b>.</b>	-13.3	9	1.04=+03	132	9-10-46	1538	1-925+01	-12.9
2 -	1.67E+80			7.135+P6	2135	• •	FOOTPOINT	2 1	5.78E+17	221	4 . D 95 4 . D	1835	6.115+01	FOOTPOT MT
2				.112+00	6 4 4	:	-15.9	91	3.725+07	161	1.44546	2429	:	-15.7
=	6.735+67			. : 9E+: 6	2726	:		£4	1.436+07	191	1.382+15	2726	2.475+01	
2				. 38E+C6	3023	•	TAS (M/S)	2	7.44E+46	201	1.14E+.6	3,23	2.66E+11	TAS (M/S)
22 6	5.236+07			3.136+05	3320	• •	122.	3 %	1.435+67	122	614217.4	3320		6.22.
2					3914		NT (N/H3)	25	7.645+16	4 4	7.14F+6.5	3014	30145471	MT (M/M3)
2					4211		2267913.5	53	7.445+06	36.	2-135+55	4211		16+9338.4
23	7.48				4518			30		70 80	1.355+65	4 53 6	•	
2	6.585-03		4	1.355+1.0		1.575+10	7014LS 2-92E+90	O# 7	2,752,03		P. Golden		6.1111	101ALS
3	,	1	1	191		*0*	323	MED 0	12		158		2979	542
SAMPLEB	X72A2 F.164T (	E79-13 LE 517	15 10 21 11 11 11 11 11 11 11 11 11 11 11 11	CING SPRAY JAN 79 STARTEMA	1 3 E 105148* (NU4852	F.EG1T E79-13 ON 21 JAN 79 1 SECOND AVERAGING INTERAL. STRATIO-01105140********************************	ING C	SAMPLE: X1	XTRAZ FLIG4T E79 PARTICLE	16FT 103 ON 14F.2	CLUNGSPRA 21 JAN 79 74. STATIFF	V TEST 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FLIGHT ET9-03 DN 21 JAN 79 1 SECOND AVERATING TILGHT ET9-03 DN 21 JAN 79 1 SECOND AVERATING TALTHOUSE COND. SECOND AVERANGE STATIONS (NUM BERNAGS-NY)	IN C
- 101	DAC COLDED A D DCC	70 007	12 12 10 10	# E E	7076	TA SEC STANDED	44 FECTOR 33.6	100000	5					
				•	272			PRESSURE I	157 150	Ž	441:1 24 6PM	11810	DISTANCET ZOO FT	CAL FACTORE 23.5
512 (A.)	SCATTER PROSE		312	C.0J0 P308E	\$12E (41)	PRECIP PROBE	P (HB) 551.0	SIZE (MU)	SCATTER PROSE	31.25	3.0U0 P308E	\$12E (30)	PRCSIP PROBE	P (MB) 551.0
₩.	7.445 48	<b>.</b>		** 57E+87	191	1.135.84	ALT (KH)	~ .	6.37E+u9	81	1 56+48	3	3.186+34	ALT (KH)
• •	1.446.4			3. B/E+b/	4	3.53E+U1	B69.4	<b>.</b>	2.145+09	m 6	5. B6E+07	* *	9.876+31	4.050
•	5.145+8			1.27E+37	1541	0.0	TEMP (C)	, 40	3.72E+07	2 6	1.85.5467	1241	9-135-81	TEMP (C)
3:				.85E+06.	1938	9.622+11	-13.1	4	2.23E+37	1.12	1.146+67	1530	1.926+1	-12.7
1			E 231	3.156+06	2112	4.07E+81	Fanstpotwe	15	2.23E+07	251	7.456+66	1835	2.135+81	FORTESTAT
#	-			. 615+06	2429	2.31E+31	-15.0	·\$4	7.4.E+u5	151	2 4 6	5429		7.67-
= 1				325+66	2726	2.47E+01		<b>\$</b>	2.23E+07	191	Z ZE+. 6	2726	4.946+31	
2	2.245+07			.77E+65	3326	2 • 66 E • U 1	122.8	22	1.59E+07	221	1.136+66	3320	2.65E+U1	145 (M/S)
2				. 25E+05	3617			\$2	7.445+06	1	5.612+85	3617		
2 2				2.316+05	1914	<b>.</b>	MT (M/H3)	2 CE	7.44E+66	. 7 .0 .0 .0 .0	5.712+85	7766	<b>:</b>	NT (N/H3)
#	::			. 406+85	9 864	::	1,610,000	<b>1</b> 2	7.44E+06	) (F)	3.65E+45	1124		9*258.162
2	3.756-03	Po.	•	9.24E-81		4.685-91	10.39E+88	2#1	1,35E-03		57E+0		7.15£-91	TOTALS 2.28E+04
	<b>1</b>			1		2336	228	HED D	61		172		2724	231

9	CAL PACTORS !	920.5	ALT (KU)		TEMP (C)		FROSTPOINT	-12· <b>-</b>	TAS (M/S)			MT (N/MS)		TOTALS	3.192.18		941:		CAL FACTORE	P (MB) 558.5	ALT (KM)	4. 656	TEMP (C)	• 37.	F 2 OS TPOT NT	-13.6	TAS (8/S)	9 1331	MT (M/H3)	497548°2	107ALS	8
BY AFEL E3000 AVERAG R/4003-84)	DISTANCE 1 208 FT	PROBE	2.376+34	3.46E+81	1.826+11	2.0655	4.336+01	2.316+81	•		÷	•			3,292-01		BY AFGL ECOND AVERAGE PARETERNIA	(Lu-6	DISTANCES 200 FT	PRECIP PROBE	3.026+04	3.30E+61		4.08E+81		9.91E+81	<b>.</b>		3.476.01	3.65E+32 0.	1.536+88	3774
1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	DISTA	STZE (MJ)	33	i	1241	1835	2132	542	3023	3320	2 795	181	1134				7 TEST 2 3 S 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		DISTA	STZE	404	3 3	1541	1835	2132	242	3023	3617	3914	4217		
AZ 17F7 ICING SPRAY TEST BY AFEL FIGHT TYPES ON ZE JAH 79 & \$50000 AVERAGING FIGHT TYPES SECOND AVERAGING SECOND AVERAGING SECOND SECON	RATEL S& SPH	CLOU3	1.375+88	5.7 bE+6.7	3.696+67	1.335467	9.52E+C6	4.63E+0.6	1. BET + 15	2.252+06	1.16E+86	1.055+56	3.245405		2.656+66	007	A2 AFFIC ICING SPARY TEST BY AFGL F-E54T 279-13 3V 21 JAN 79 1 SECOND AVERAGING THE 24H, STAFFFE AND SPEAK DARRENCE CHEE DESCRIPTIONS CHAMMED AND SERVE	TYPER RAIN	F_34 487E8 54 6PH	CLOUD P 208£	1.33E+1.8			1.27E+17				7. EBE+05	9.74E+65	9.76F+55 5.56c+65	2.575+60	166
1218 1418 1418	FLOW	SIZE (40)	N F	25	28	122	1 + 5	151	1 5	22.	7+7	2 6	3 G				147.8 147.8 147.8	3716	F.24	\$12E (41)	\$3		25	102	2+1	191	172	7 7	200	293 306		
XTRA2 F.164T 579- PARTICLE	18 PSI H20	SCATTER PROBE	1.36E+08		<b>:</b>			•	•	:	-	•	::	;	4.34E-06	,	XTRA2 F_ES4T E79-	PAKITOLE	10 osi #20	SCATTER >239E	3. 735 407	7.465+05 0.		•					:		1.12E-86	
SAMPLE	PRESSURE	EZIS (M)	<b>~</b> .	• •	• (	22	13	97	2 5	22	7.	92.	62		2 2		SAMPLE 1 X		PRESSURE: 10 PSI	SIZE	~	ك و.	) <b>-</b> n (	21	3	9 57	ន	7 7 7	56	25 30	Ç#C	O COM
92	CAL FACTOR: 23.5	P (MB) 556.7	ALT (KM)		TEMP (C)	-12.0	FROSTPOINT	-15.7	TAC (M/6)			NT (N/H3)	4010000	TOTALS	2.95E+00	907	94		CAL FACTOR: 23.5	P (HB) 750.7	ALT (KM)	4.853	TEMP (C)	-12.9	FROSTPOINT	-15,7	14S (M/S)	172.7	NT (N/H3)	6169MJ.6	TOTALS	202
CING SPRAY TEST BY AFGL JAN 79 1 SECOND AVERAGING STRATIC BLIBSIAS* STRATIC BLIBSIAS* ETALDUTONS (MUMBER/MOCS-MM)	DISTANCES 200 FT	PRECIP	1.675+04	10025491	1.026+11	1.926+11	0.	2.31=+31	7.42E+81			46E+01	• •	:	9.145-01	69/2	IING SPRAT TEST BY AFGL JAN 79 1 SECOND AVERAGING STRATTFOLLIGOSAGE STRATTFOLLIGOSAG	413071345 (409868/8**5-94) 61 24IN	DISTANCE: 200 FT	PRECIP	4.526+14	5.255431		1.15E+02 6.08E+01		2.31E+31 0.	2.67E+11	•	3.46E+01		9.065-11	2491
1 5 1 5 1 8 5 1 43 (NUMBE	DISTA	SIZE	101	;	1541	1538	2132	545	2726	475	3617	3914	1774				1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	502	DISTA	S12F (MJ)	3	647	1241	1835	2132	2429	3023	3520	3914	4211 4508		
CICING SPRAY 21 JAN 79 VAL STARTI* 01 ISTRIBUTIONS TYPE: RAIN	ATES SO GON	510U3	1.7.E+60	3.345+67	2-825+67	1.015+67	5.73E+.6	3. 362+06	2.3.5+66	1.355465	5.032+05	5.776+65	3,176+05		2.14E+00	162		TYPE RAIN	11E8 54 6P4	C_000	2.52E+15	1. 7.2E+08	3.9.6+17	1.335+87	1 25+67	0 1 + 1 0 c · ·	2 . 7 35 + 0.6	1.157+86	1.145+06	1.13E+16 5.75E+05	3.25E+68	173
100	HZO F_JH RRTES	SI 2 E	₹.	÷ ÷		271	2+1	151	131		4	300	9 6	;			1475.7	TYPE TYPE	FL34 31E	\$12: (40)	23	en o	8	281	241	191	201	227	20	2 C		
ATRAC FLEGAT E79-63 PARTICLE SI	18 PSI M20	SCATTER PROSE	1.34E+63	1.000	3.735+87	1.595.87	1.4954.7		7 .65 405	2.38F+87		<b>.</b>	•		6.34	7	MTGAZ FLEGHT E79-03 ON 21 FFERT FREE FREE FREE	ALCIA MA	16 PSI 420	SCATTER >203E	5.59±+.8	1.045409	3.736+07	08+1940/	: <b>.</b> :					<b>.</b> ;	5.425-05	,
SAMPLE	PRESSURE	SIZE	<b>~</b>	+ 10		2	: :	91	£ 6	2.	2	97	S. F.		2	NEO O	SAMPLES		PRESSURES 16 PSI	STZE	~	. <b>+ u</b>		21	3	16	23	3.5	<b>.</b> 2	5.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8	91	0 034

\$3.5

23.5

	MARAE EFS-63 DA MARAE EFS-63 D	15 20 04 14 16 31 51 75 31	ert: ICIMG SPRAV Est Ergebs Ou 21 Jan 79 Isterate STARTORY PARTICLE SIZE PERTONS	PAAY TEST BY AFGL 1 SECOND A 2 0 1 SECOND A 2 0 1 SECOND A 2 0 1 SECOND A 2 0 1 SECOND A 3 0 SECOND A 4 0 SECOND	PRAV TEST BY AFGL 9 1 SECOND AVERAGING 1°61:8564° ONS (AUPREA'4°5-MM)	9	SAMPLE	XTRAZ FLIGAT E79- PARTICLE	#FFT3 63 08 80 194 141 348 817E 01	AFFIC ICING SPMAY TEST BY AFGLOOM A SECOND A SEC	1657 B 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S	FIGHT E79-3 ON ZI JAN 79 1 SICOMO AVERAGIMO FIGHT E79-3 ON ZI JAN 79 1 SICOMO AVERAGIMO [45:44a, Similia basa 43° Pariole Size Distructons (Munder/He43-HM)	9
PRESSURE:	18 951	420 F.JW 381	1131 St 67H	MATSIC	DISTANCE: 208 FT	CAL FACTOR: 23.5.	PRESSURE: 10 PSI		F_3# 38	420 F_3# RATE! 54 GPM	NATSTO	DISTANCE: 288 FT	CAL FACTOR: 23.5
\$125 (MD)	SCATTER	3125	CL003	SIZE	PRECIP	P (NB) 558.6	S12E (#J)	SCATTER 2203E	31 Z E	3802d	SIZE (MU)	PRECIP	F (18)
~	_	23	1.635+08	4	3.37E+34	ALT (KH)	•	2.242+18	23	1.305+38	3	7.83E+34	ALT (KH)
•		*	1.12E+08	ì	6.51E+01	4.854		2.24=+07	P)	9.525+87	3	6.63E+91	4.054
		3 :	5. BBE+87	<b>3</b>	1.21EV62		<b>40</b> 4	<b>.</b>	2 6	4.20E+C7		1.215+02	-
•	•	200	7 0 0 E 0 C 1	1471	7.455.472	(C) AEB1	n <u>-</u>		2 6	2 - C 3 C + U 7	1691	3. A4F+04	19 A
27	: -	122	1.236437	1835	4.08F+01		77	• •	127	9.26E+06	1835		
<b>±</b>	•	1+2	7,305+66	21 12		FROSTPOINT	1.6	•	7+1	3.55E+C6	2132	*. 33E+91	FROSTPOINT
97	•	161	3.867+06	545	Z. 31E+11	-15.8	91	<b>.</b>	12:	3.645466	545	3.	-15.0
2 2	-	137	4.3564.6	1021	6 * 65 + U1	(3/7) 341	3 5			1 1 1 1 1 1 1 1 1	200	20 47 E + 31	145 (8/5)
2	<b>.</b>	7 7 7	97446	3470			?			1.527436	3325	: :	122.7
: 2	•	;	1.285+06	3617	: -		3 %		,	7.875+15	3617	3.156+11	
92	:	392	1 25.06	3914	:	NT (NVH3)	25	•	202	7.372+65	3914	-	NT (N/H3)
92		98.	9.796+05	1124		5153562.7	52	;	282	5.9CE+15	4211	:	3797541.3
7	:	•	****	200		TOTALS	Z	•	7	4 1 35 4 6 9	9 8 6	•	TOTALS
25.0	3,755-85		2.48E+00		6.47E-01	2.92E+00	L E	4.845-06		246+60		6.176-31	2.676+00
	,		}		,	• 67				•		?	•
SAMPLE 1	ATGAZ APTA FLEGAT E79-63 ON EATER	163 ON INTER	APPET TOTMS SPRAY D-63 ON 21 JAN 79 TATE STRAFF CATE	PRAY TEST BY AFGL 9 1 550000 A 1 550000 A	PRAY TEST BY AFGL 9 1 SECOND AVERAGING 14-11-05140-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	9 21	SAMPLES	XTRAZ FLIS4T E79-	20 80 80 80 80 80 80 80 80 80 80 80 80 80	FLIGHT EF9-83 ON 21 JAN 79 1 SECOND AVER FLIGHT EF9-83 ON 21 JAN 79 1 SECOND AVER ALASTON TO THE STATE OF THE SECOND AVER	1 SE	EST BY AFSL 1 SECOND AVERAGING 25535	<b>¥</b>
		,	TABEL SAIR	30 20 20	f the contract of the contract			TOTAL TOTAL	1 2316	TYPE I RAIN	2 2 2 3	FF	
PRESSURE: 18 PSI		H20 FL3# 24721	1721 St 324	DISTAN	DISTANCES 208 FT	CAL FACTORE 23.5	PRESSURE	10 PSI H20	FLOW RE	HZO FLIM RATES 54 GPM	DISTAN	DISTANCES 200 FT	CAL FACTOR: 23.5
212 (M)	SCATTER PROBE	\$12£	C: 043	S12E (MU)	PRECIP	P (MB) 550.4	(DW) 3218	SCATTER PROBE	\$12E	3802 d	\$12c (40)	PRECIP PR39E	F (MB)
**	1.346+6	23	1.65€+08	101	3.476+84	ALT (KM)	~	3.742+08	57	1.496+1	;	3.25€+14	ALT (KR)
- 4	1.436407	m &	3. 11:007	6 6 6 6	1.325+02	4.857		5.38£+67	97 (A	6. 4cm + 6.7	3 3	4.966+11	4. 85 3
· •••		2	2.466407	1541	3.65E+01	TEMP (C)	•• (	: :	100	2.97E+07	1241	3.666+01	TEMP (C)
23	::	122	3.91E+36	1935	2.34E+81	-12.6	3 2	• •	2 2	1.1.5+67	1930	2.04E+01	171.
3	_	7	5.50E+66	2132	•	FROSTPOINT	14		24.	7.98E+F6	2132	6.69E+01	FROSTPOINT
33	<b>: :</b>	191	3.57£+06 2.81£+86	2429	2.31E+01 A.	-15.8	\$ #		151	4.07E+56	2429	2.32E+11 D.	• • • • • • • • • • • • • • • • • • •
≅ \$	• •	200	2.826+86	3753	1.07E+02	TAS (H/S)	2 2 3	: 4		1.97E+06	200	<b>: .</b>	TAS (M/S)
. 2	•	13.	1.316.06	196	::	166.0	34.2	: :	1 t 2	1.326+06	3617	3.166+01	
88	<b></b> .	<b>3</b> 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7.70E+65 5.37E+05	327	3.475+81	MT (N/H3) 4119339.3	92 22 22	<b>.</b> .	26. 28.	1.38E+66 8.83E+13	1914	0. 3.86£+81	RT (N/K3) 4262964.1
	:		3. BUE+ 0.5	121	:	• 02.00	7	÷	300	5. 22£+£5	450	<b>:</b>	
28	2.53E-96 3		2.05€+1.		1.63E+00 3154	87E-01 848-01 842	L NC 1 NEO D	9.976-06		2.51E+68 175		1.146498	2.44 2.44 2.44 2.44 2.44 2.44 2.44 2.44

SAMPLE: XTRAZ AFT: ICING SPRAY TEST BY AFGL FLIGHT EYS-83 D4 24 JAN 79 1 SECOND AVERAGING THIEVAL STRITO-01:05:950 PARTICLE SIZE JISTRIDHIUMS (NUMBER/MO-3-MH) TYPE: ARIN SAMPLE 0 NTRAE 0.75 0.0 IN 21 JOHN SPRAY TEST BY AFGL FLEGAT EFFORM 19 1 SECOND AVERACING THE STAFF STAFF OR THE STAFF S

CAL FACTOR: 23,5 TEM 100 FR087PDINT -15.9 TAS (11/3): 122. 0 ALT (KN) NT (M/H2) 5291238-1 DISTANCE: 268 FT 3.62E+38 +21 4.636435 .23E+01 .63E+91 . 05 E+01 . 32E+31 . B7E+31 PECTP PROBE CAL FACTOR: 23.5 PRESSURE: 10 PST 420 FLDA ANTE: 54 GPM 1.00 to 1.00 t 2.69E+6u 172 C. 000 ききふることのようかの ナラかりこう かんしょう かんしょう くりき かんしゅう ちゅうしょう かんしょう かんしょう ちょう ちきり SCATTER PROBE S12: はいないないないでは ちゅうさん TOTALS 3.22E+08 195 FROSTPOINT -15.8 ALT (KH) TENP (C) -12.9 TAS (H/S) 122.2 NT (N/M3) 5142075.0 DISTANCE: 200 FT 3.56E+84 4.97E+82 8.59E+81 3.66E+11 .63E+81 .09E+01 PRESSURER 12 PST HZO FLOW ANTER 54 SP4 2.81E+84 CL0U3 \$12E 5.25±407 2.25±407 2.25€447 0.49€406 1.345-64 7.496+16 SCATTER PROBE \*###########

SAMPLES XTAAZ SFET LOING SPRA TEST BY AFGL FIGHT E79-3 ON 21 JAN 71 SECOND AVERAGING THICKAL STATIONS (WUMBER/M\*\*3-NN) FPATISLE SIZE JESTRUNTONS (WUMBER/M\*\*3-NN) CAL FACTOR: 23.5 FROSTPOZNT -15.9 TAS (M/S) 122.0 ALT (KH) TENP (C) MT (M/H3) 6105268.3 DISTANCES 240 FT 686+81 2,10E+01 2,32E+11 3.83E+34 4.98E+01 1.22E+62 19424 PROBE F. 3# 287.8 54 6PM 1, , 2E+15 9, 13E+15 0, 2, 2+15 4, 66E+15 C. 300 P 308E \$12£ (+3) PRESSURE 18 PST 420 3.872+03 5.23E+87 7.58E+66 1.145-15 SCATTER PROJE ~=2442884488